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#8  
PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. Continuation Application of:

Lars R. Stromme et al.

Serial No.: 09/541,170

Filed: April 3, 2000

Title: "Method And Apparatus For Document Processing"

Attorney Docket No. CUMM:267  
(47171-00267USC1)

Group Art Unit: 3652

Examiner: Unknown

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to the ASSISTANT COMMISSIONER FOR PATENTS, Washington, D.C. 20231, Attention Group Art Unit 3652, on April 26, 2001.

Adrienne Morris

Assistant Commissioner for Patents  
Washington, D.C. 20231  
Attention: Group Art Unit 3652

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**COMMUNICATION**

Gentlemen:

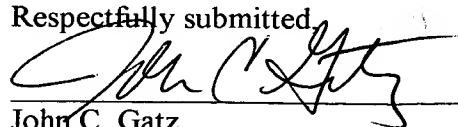
**TO 3600 MAIL ROOM**

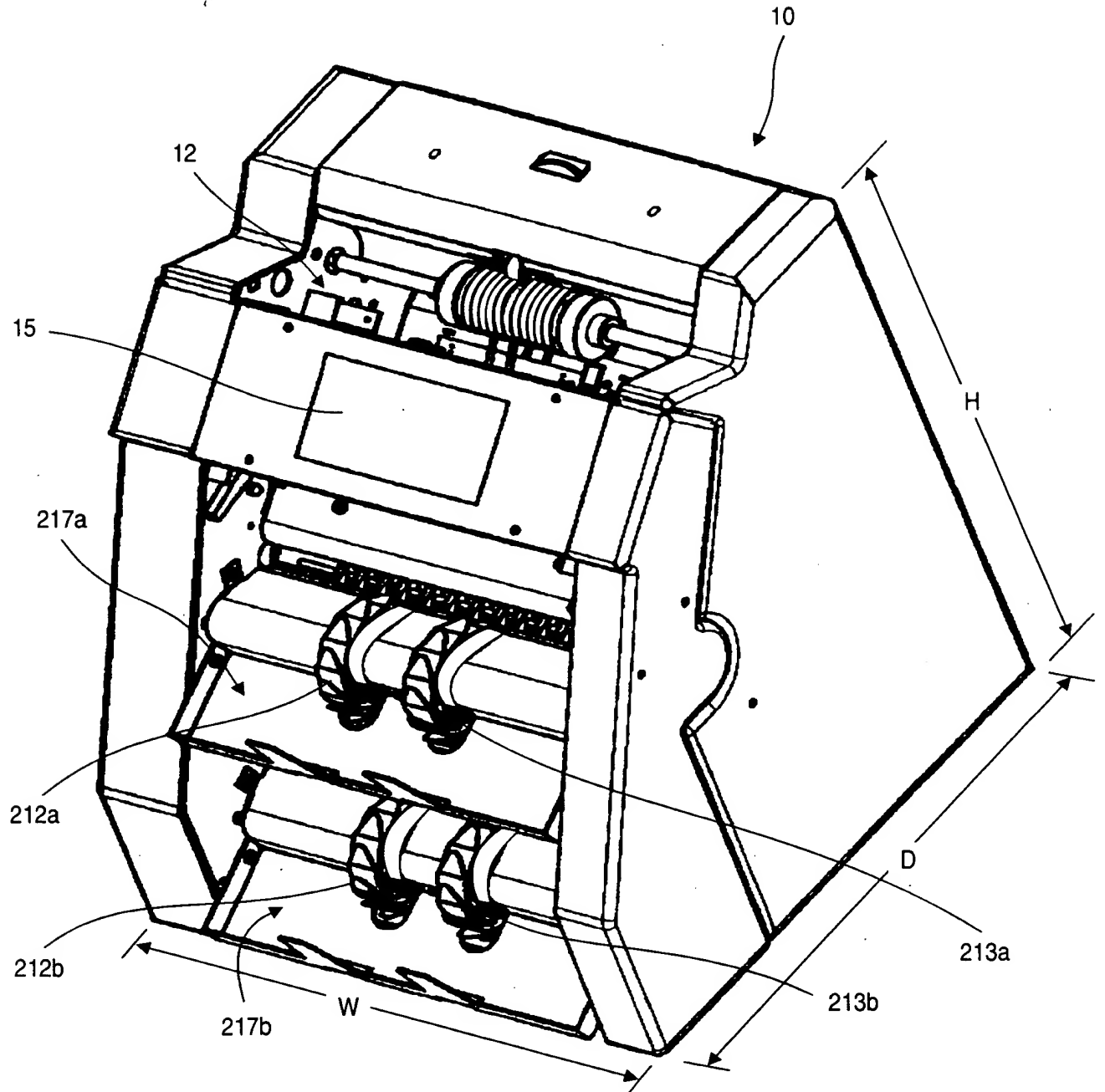
Our records are unclear as to whether formal drawings were submitted upon filing of the above-referenced application.

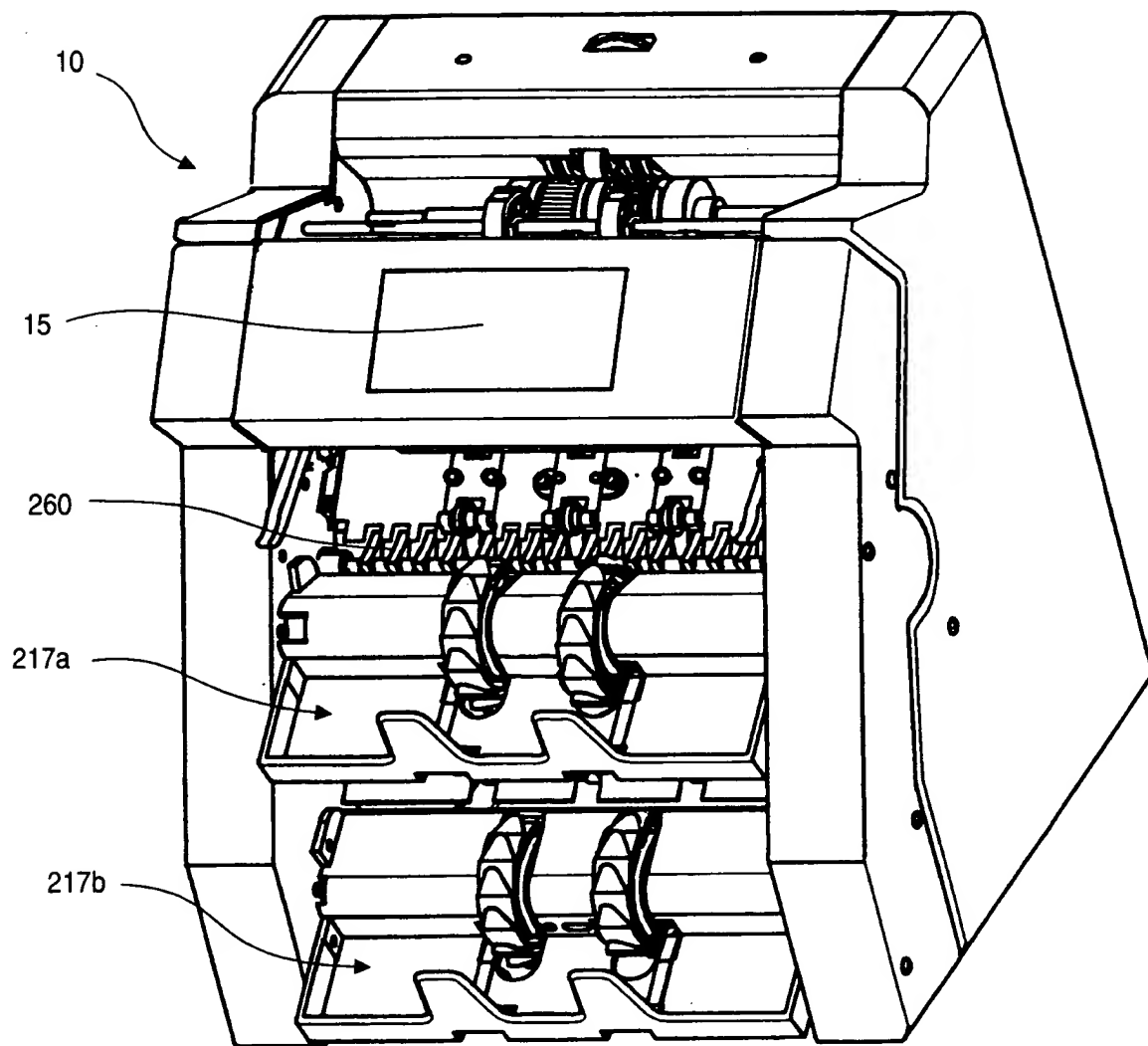
The above-identified application is a continuation of Application Serial No. 08/864,423 and further claims benefit to Application Serial No. 09/126,580. The Applicants are submitting herewith drawings (FIGS. 1a-42). The submitted drawings are the same drawings as originally filed in Application Serial No. 08/864,423. Thus, the drawings are supported, *inter alia*, by U.S. Patent Application Serial No. 08/864,423, filed May 28, 1997, entitled "Method and Apparatus for Document Processing" which was incorporated by reference in its entirety at page 2, lines 4-6 of the present application and as indicated on the transmittal sheet which accompanied the filing of the present application. Therefore, the submission of these drawings does not constitute new matter. If you have any questions, please contact us.

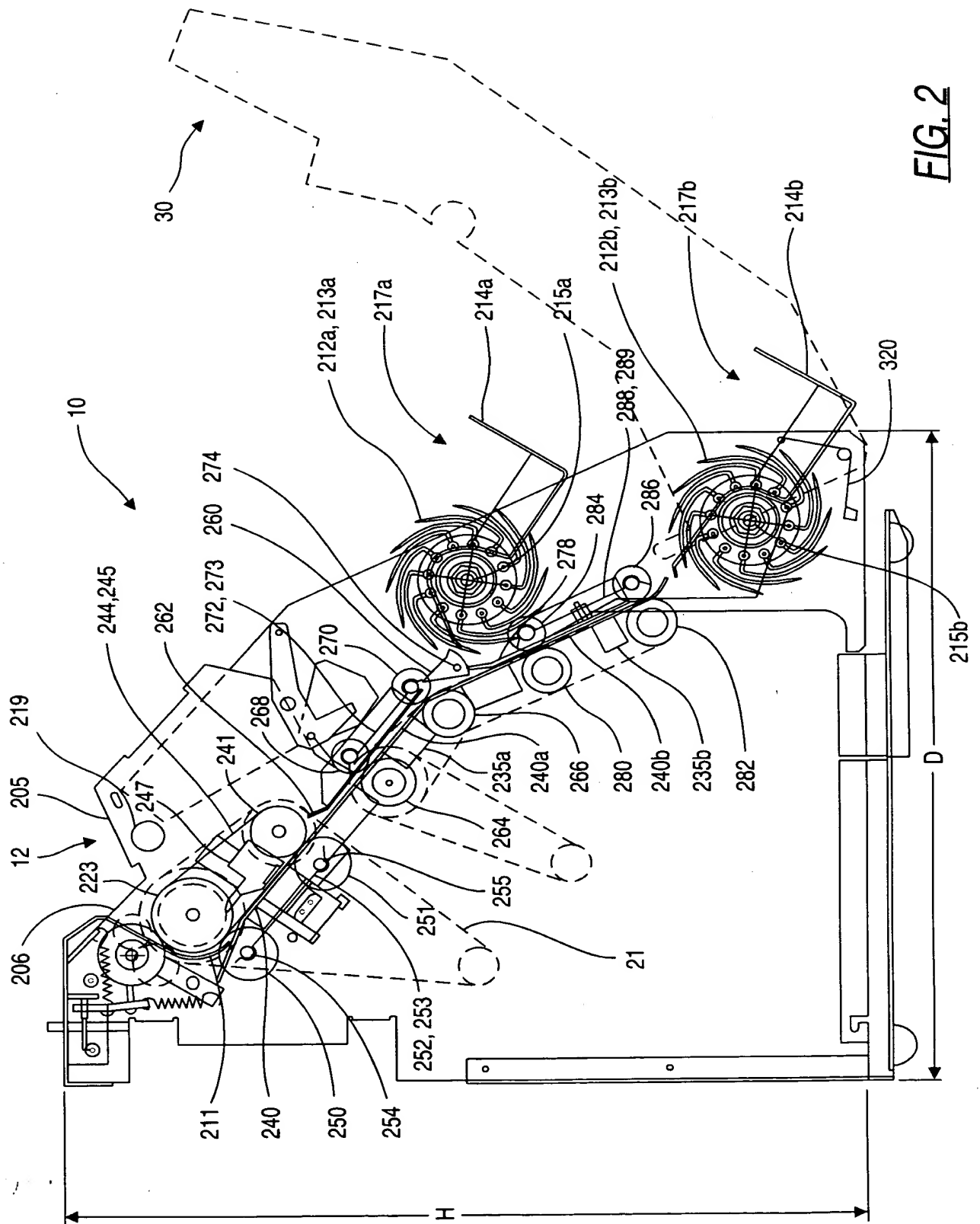
April 26, 2001  
Date

Respectfully submitted,

  
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*FIG. 1a*

*FIG. 1b*



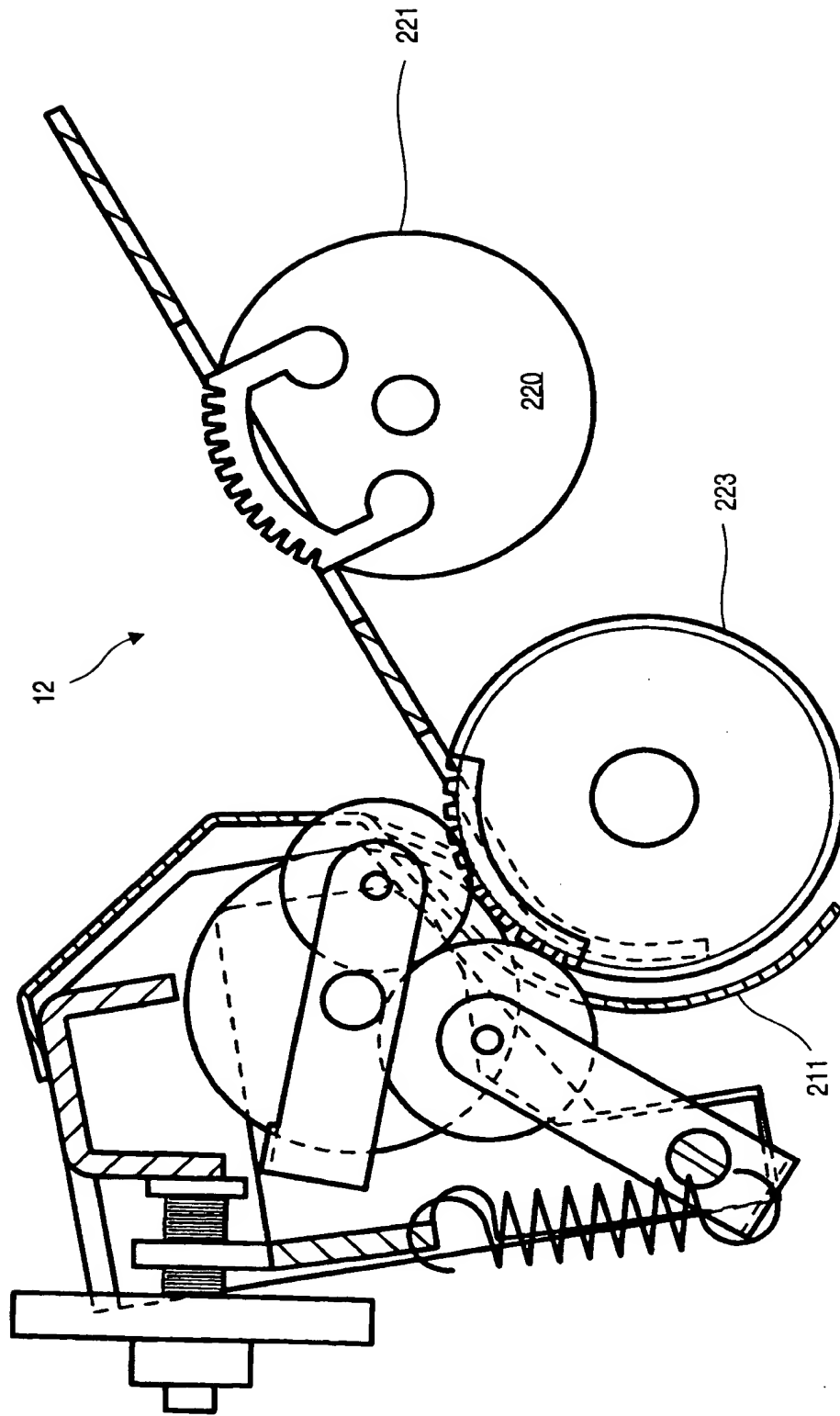
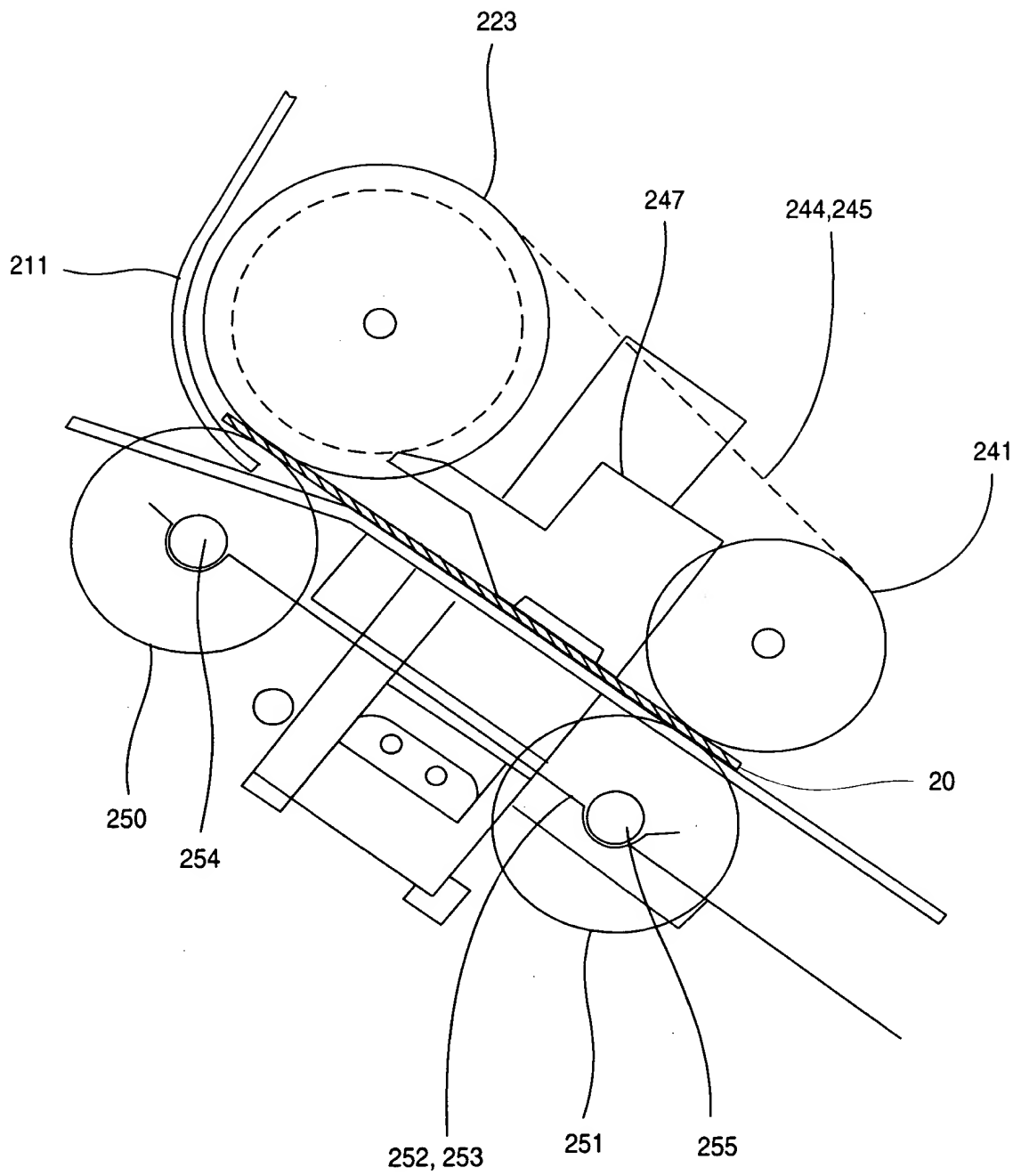
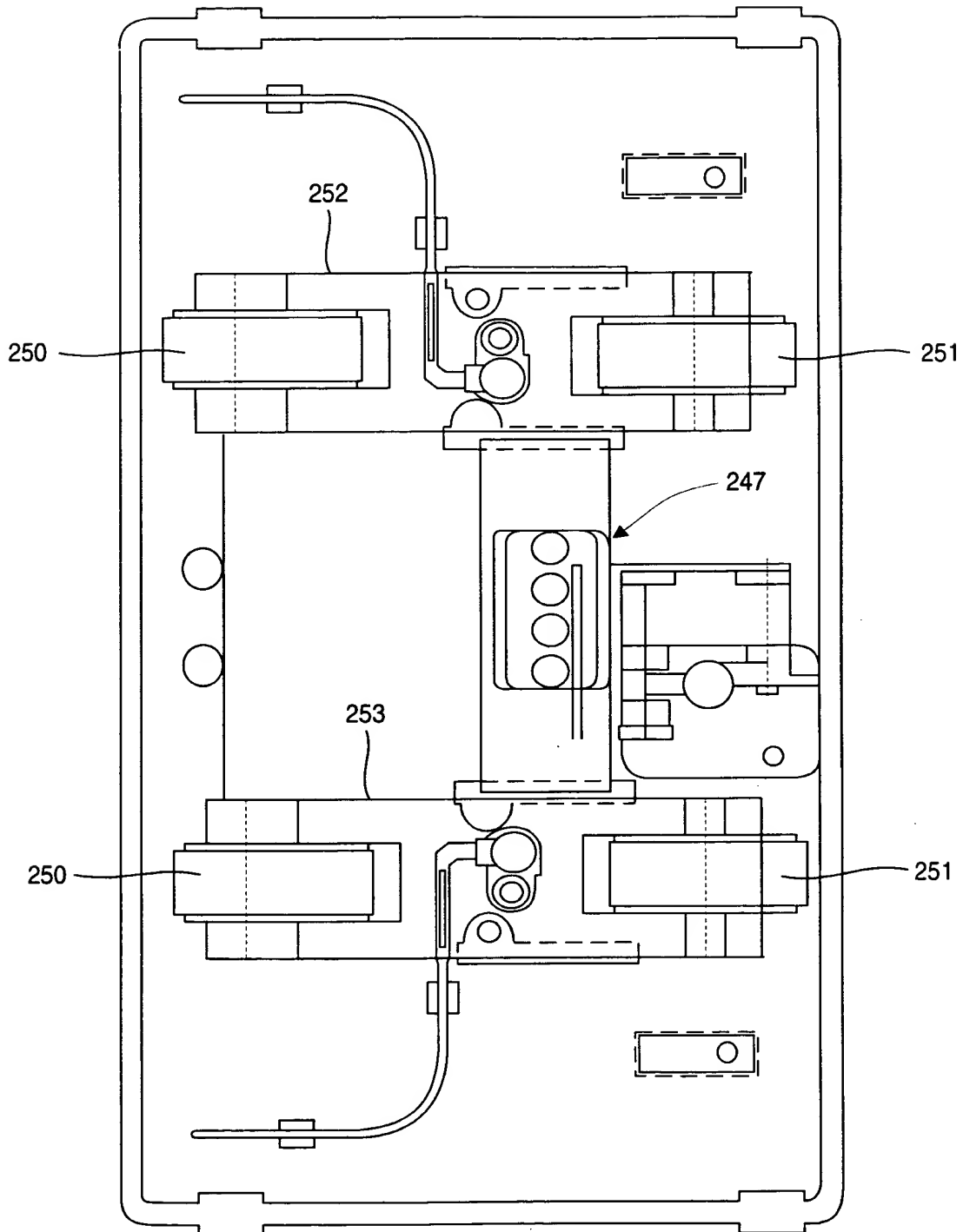
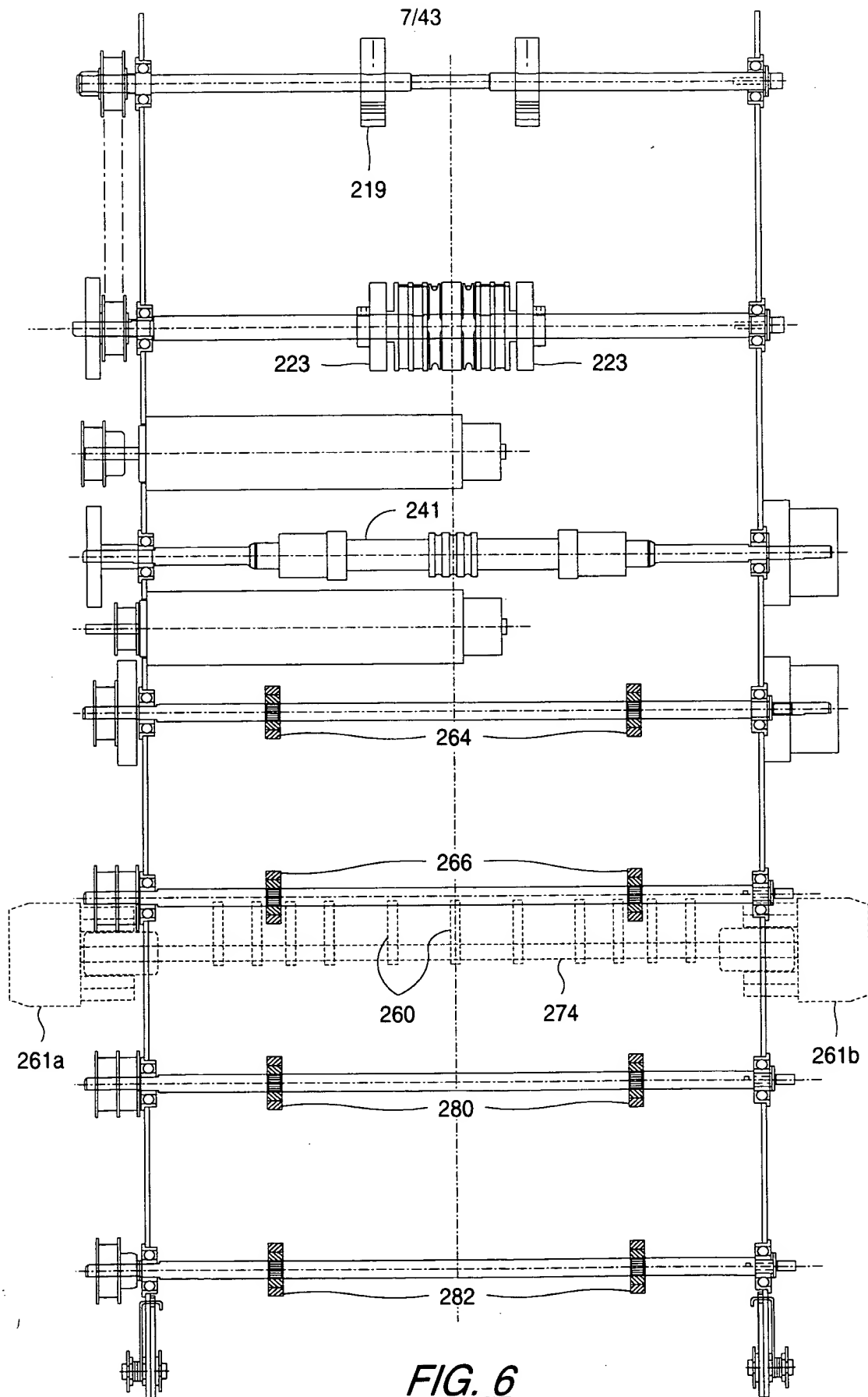


FIG. 3

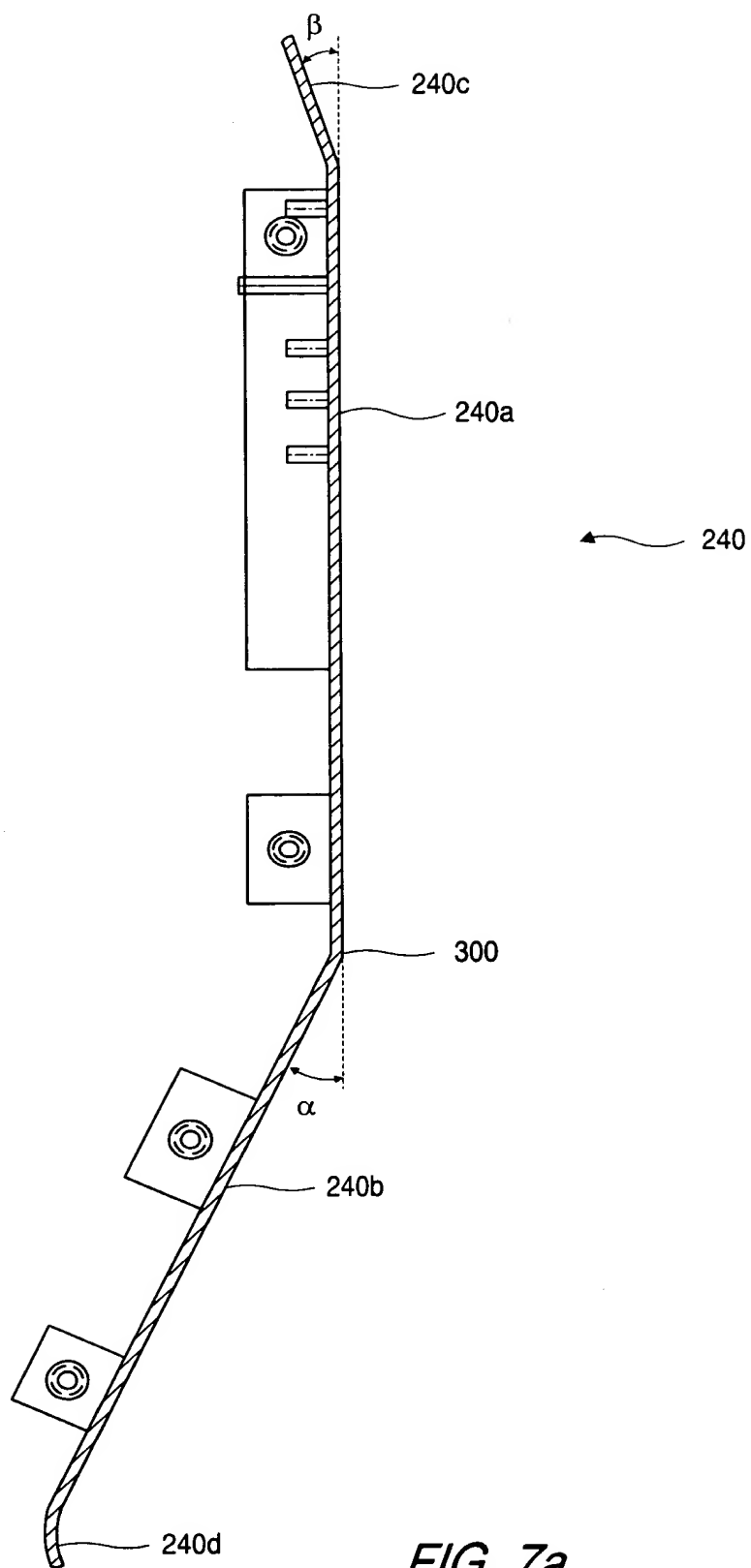


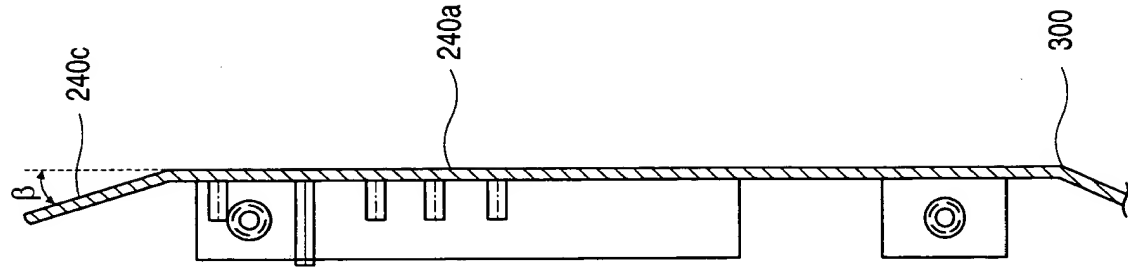
**FIG. 4**

**FIG. 5**

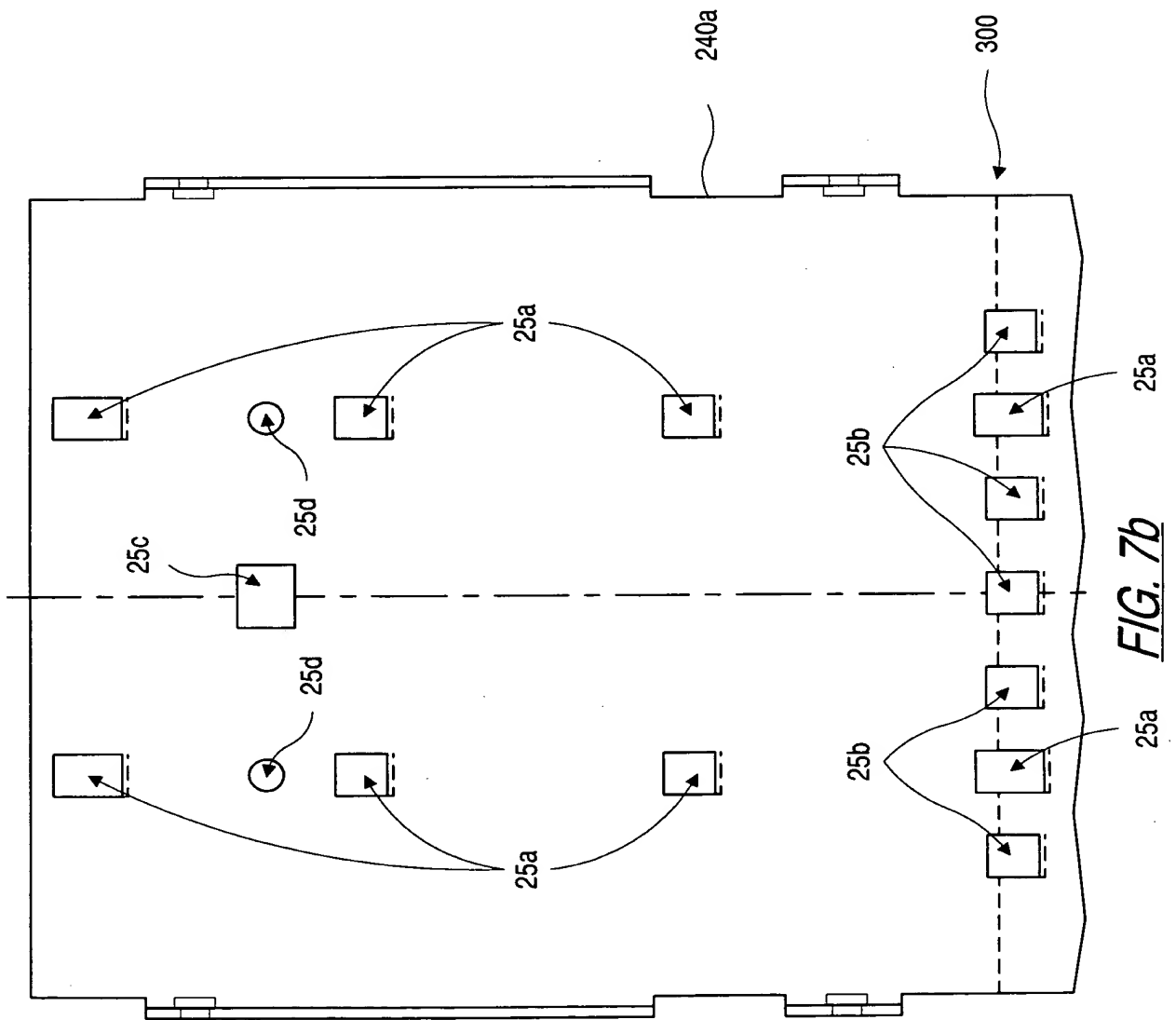




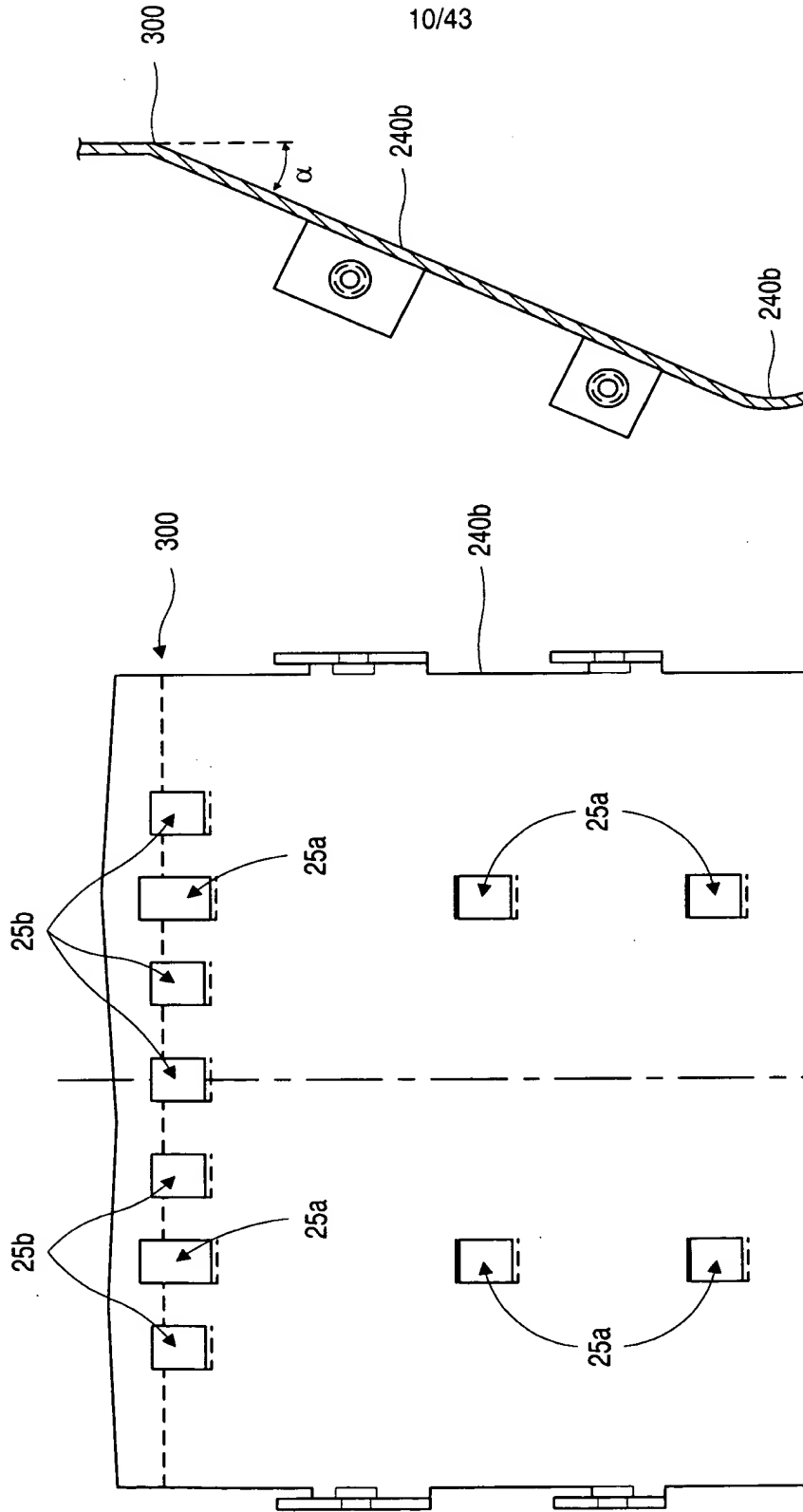
*FIG. 7a*



*FIG. 7c*

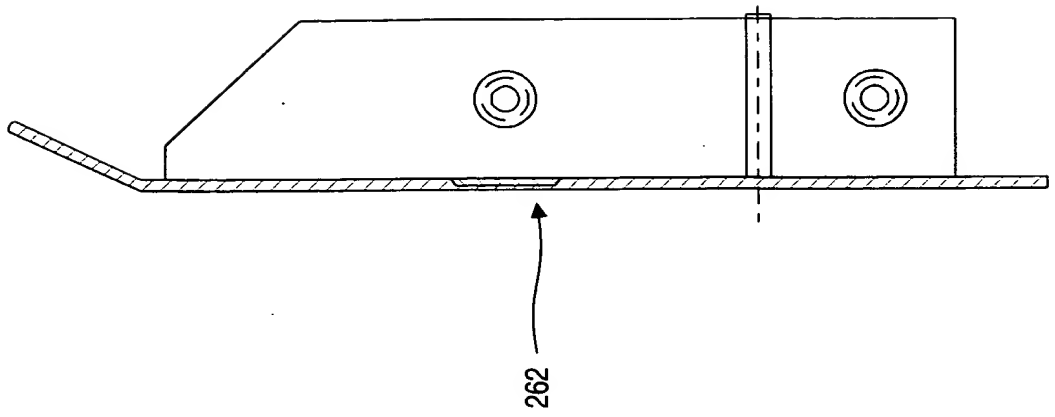
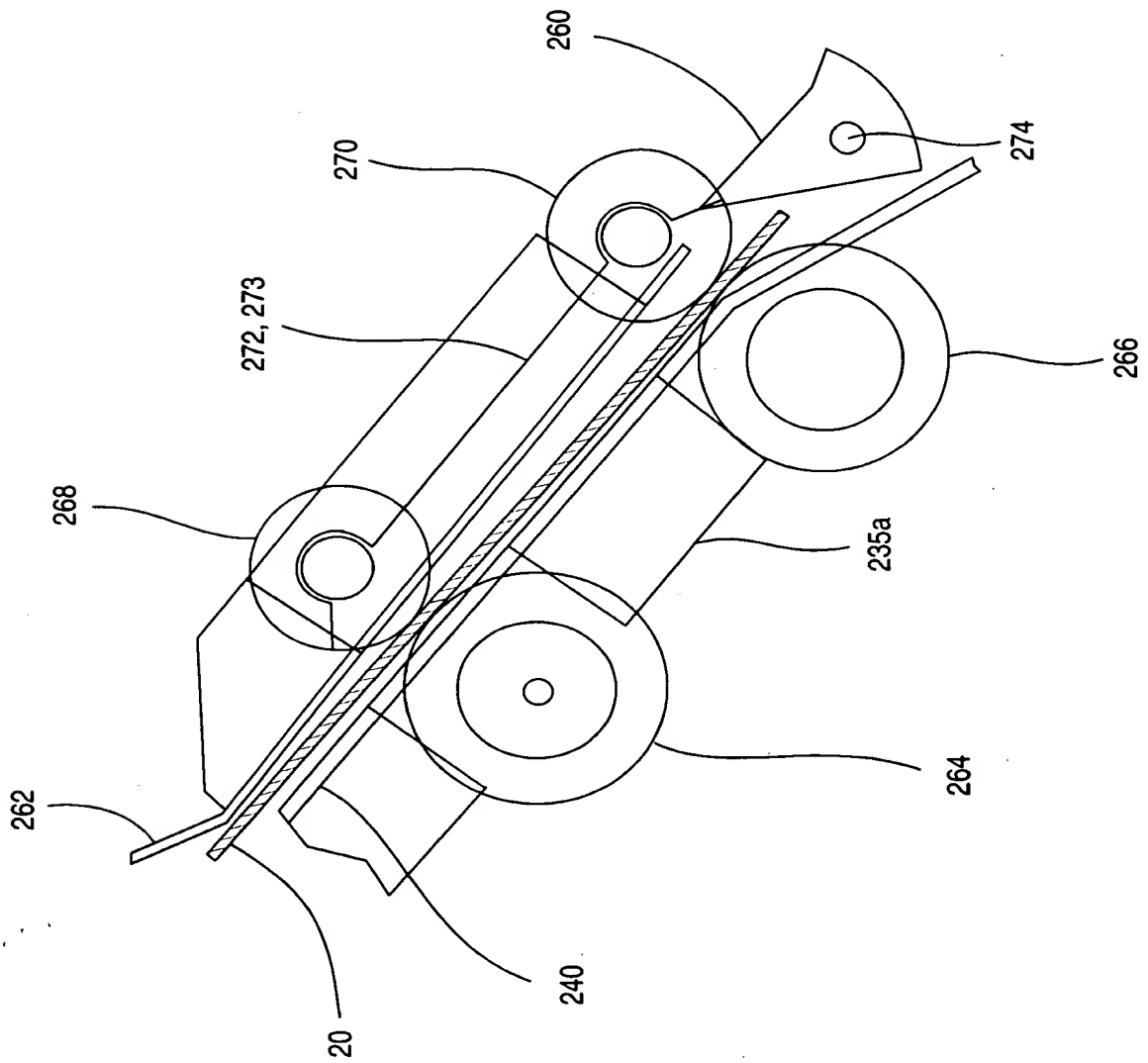


*FIG. 7b*



*FIG. 7e*

*FIG. 7d*



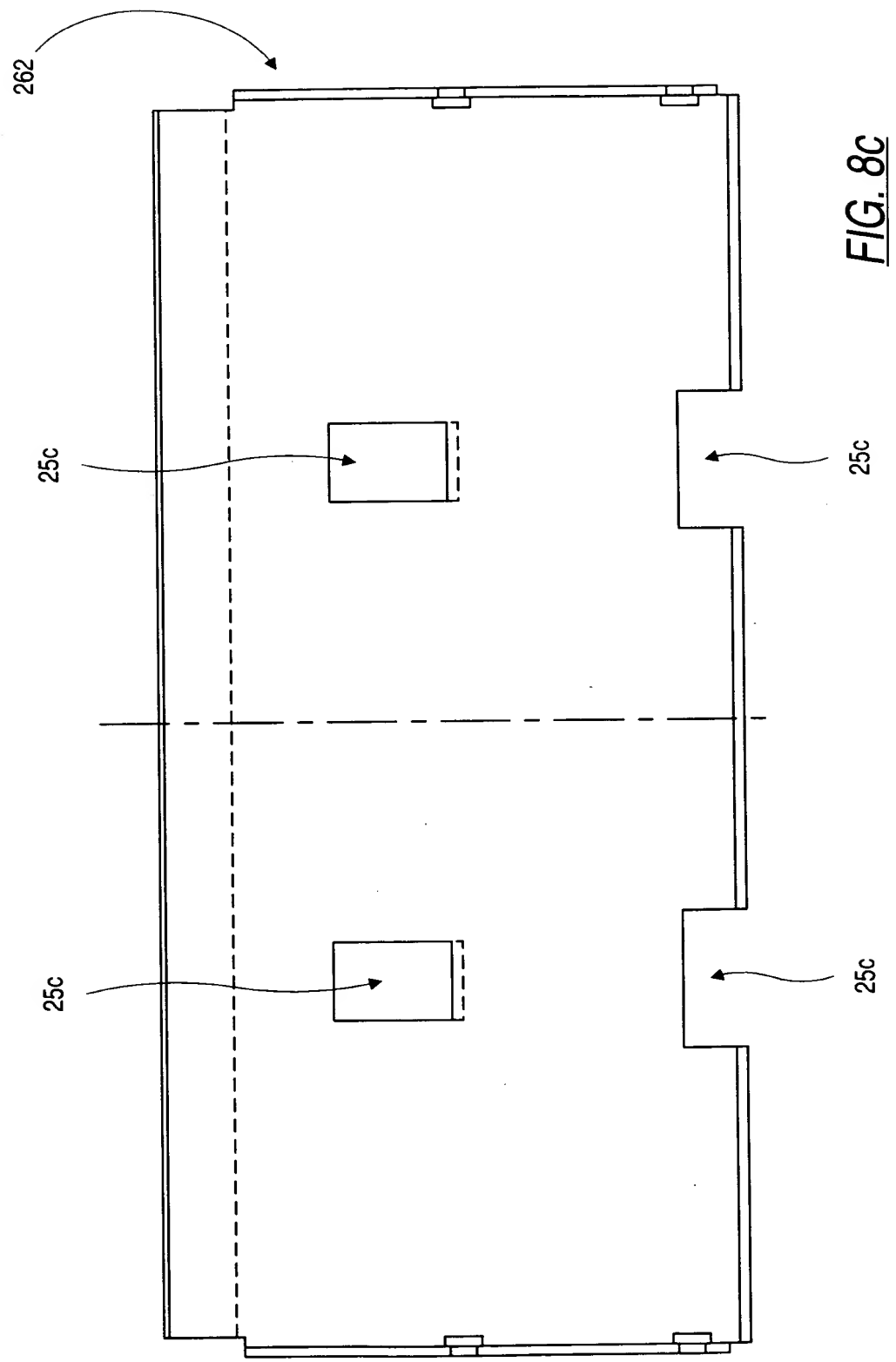


FIG. 8c

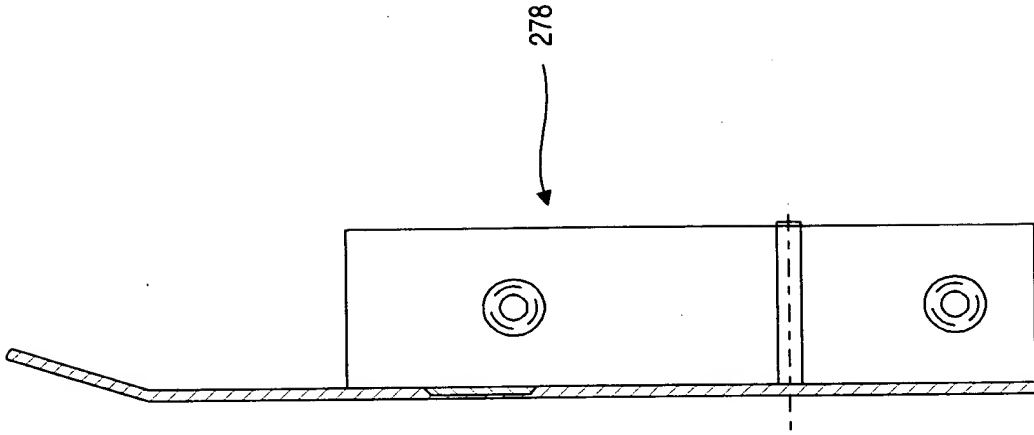


FIG. 9b

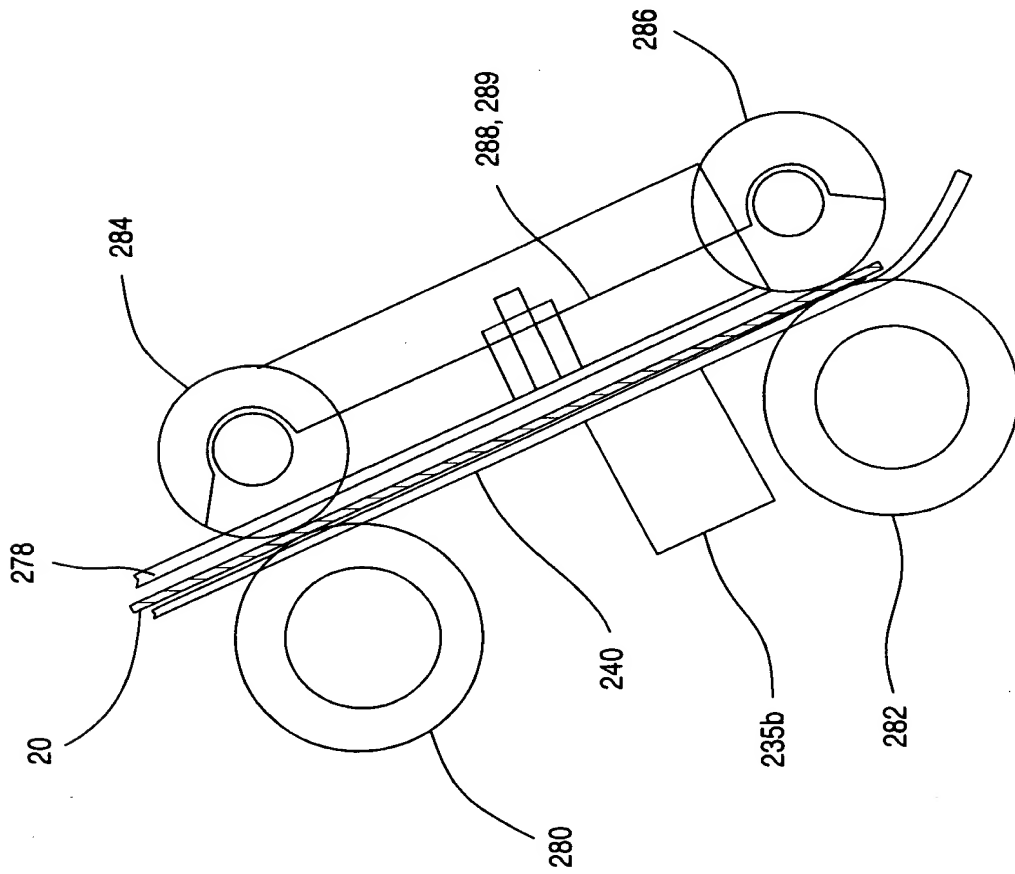


FIG. 9a

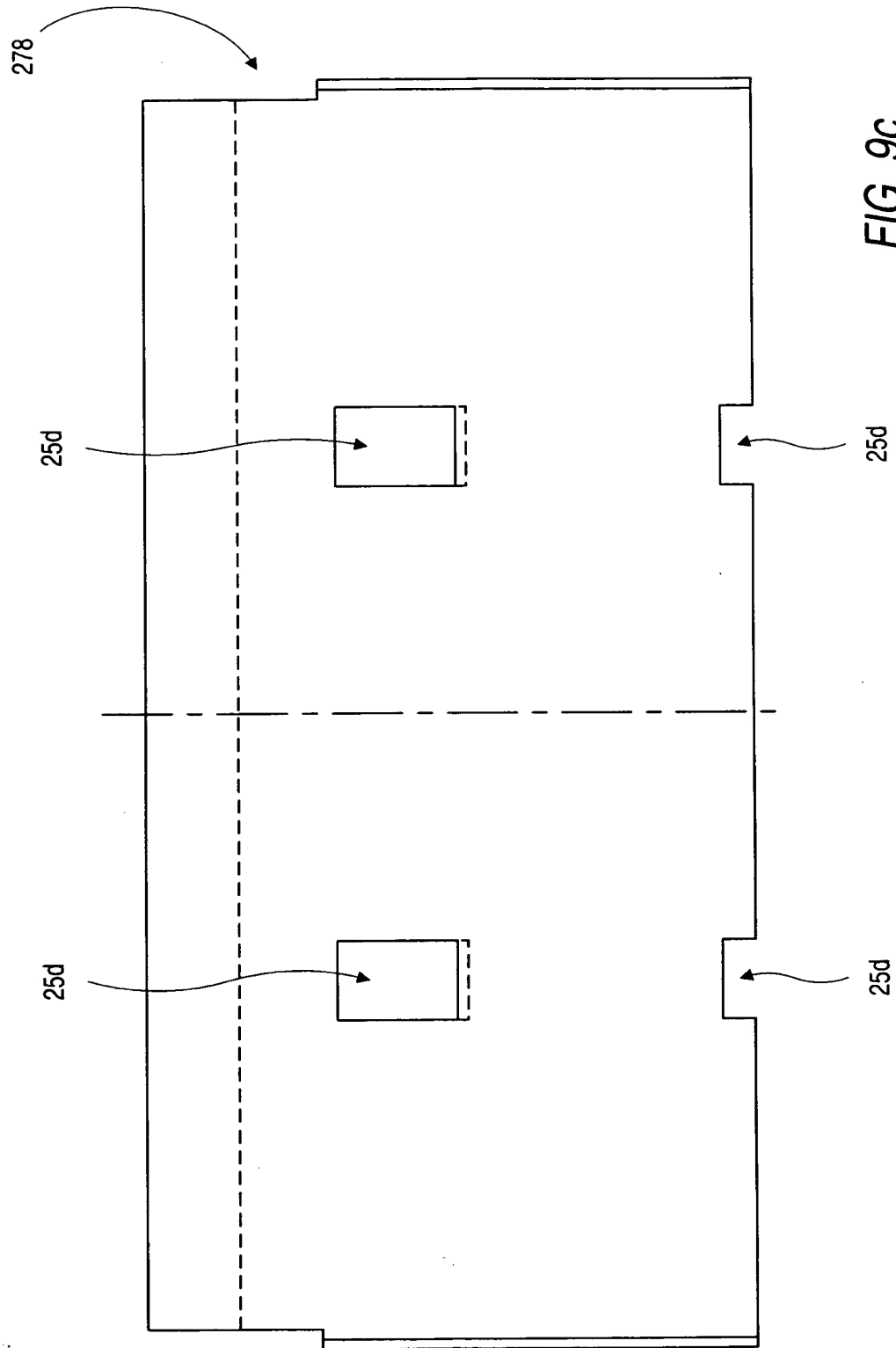


FIG. 9c

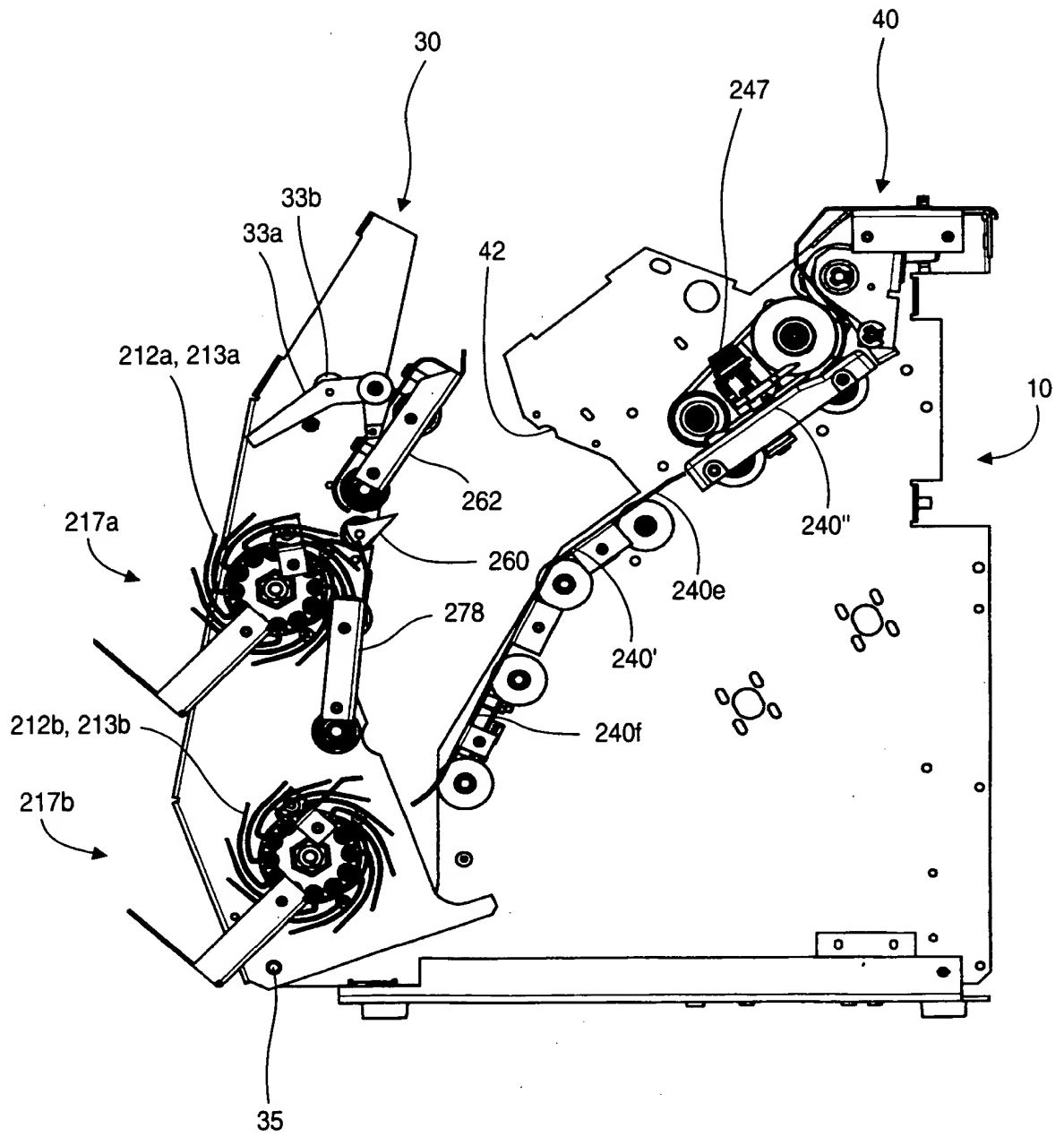
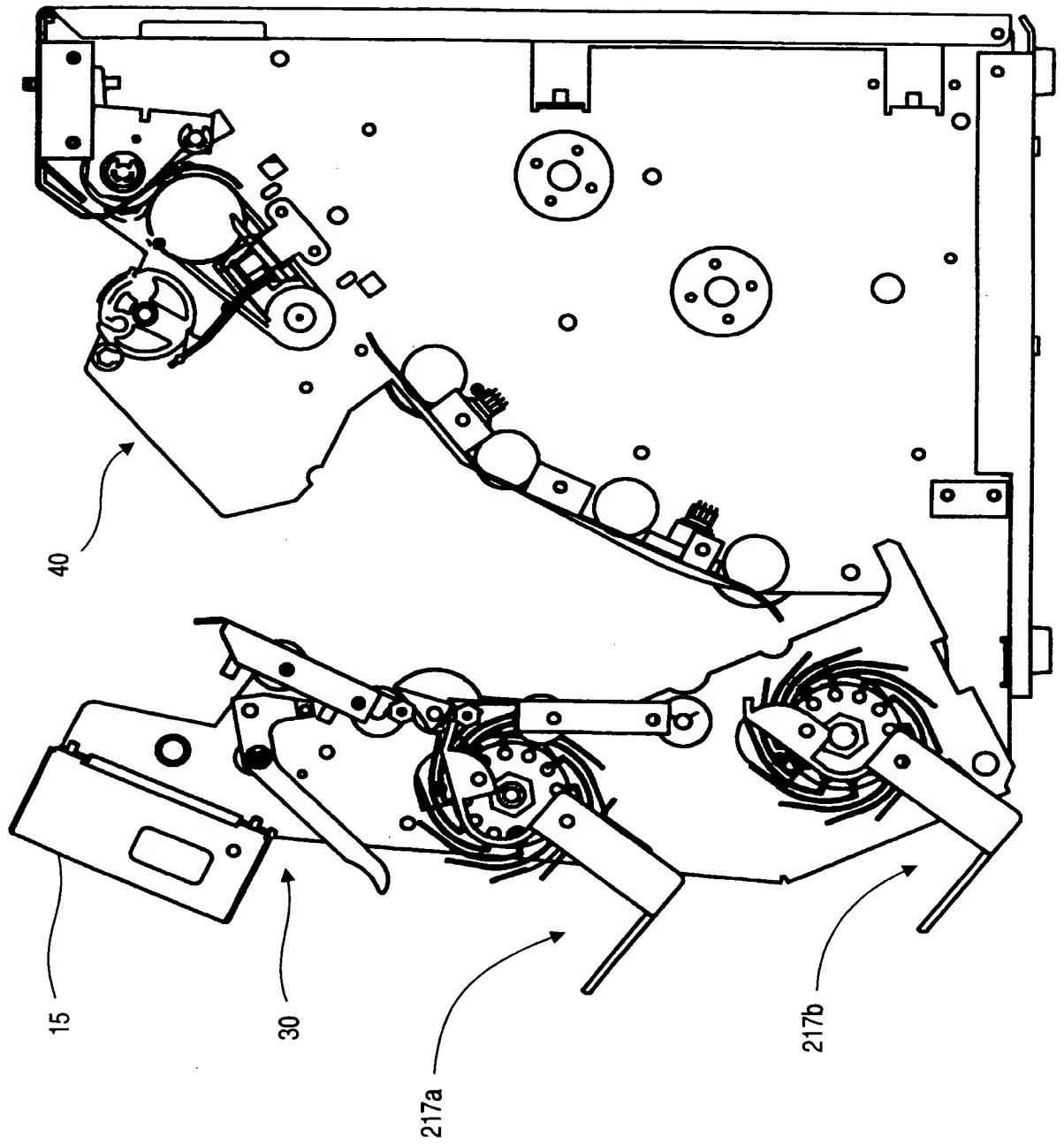
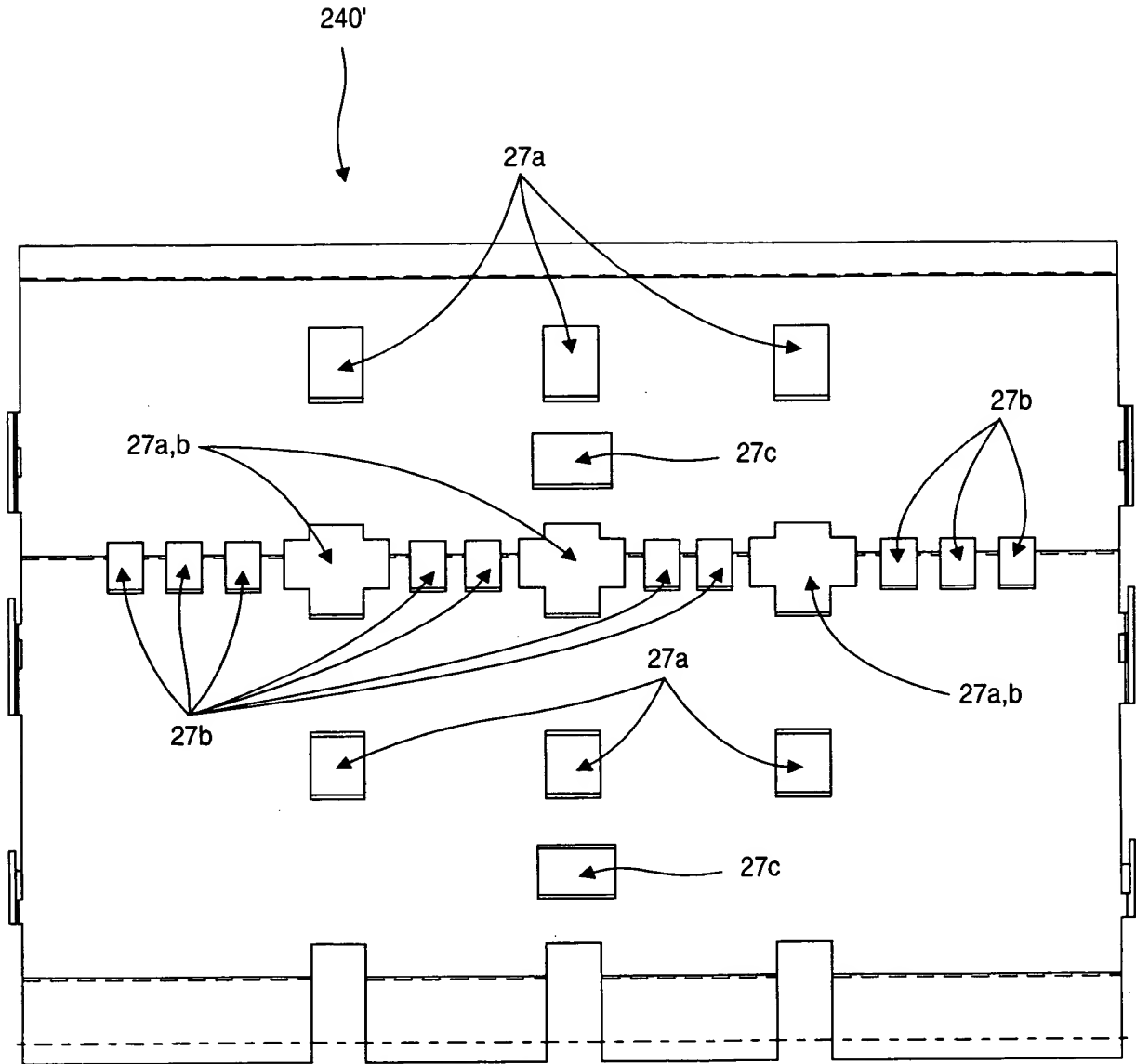
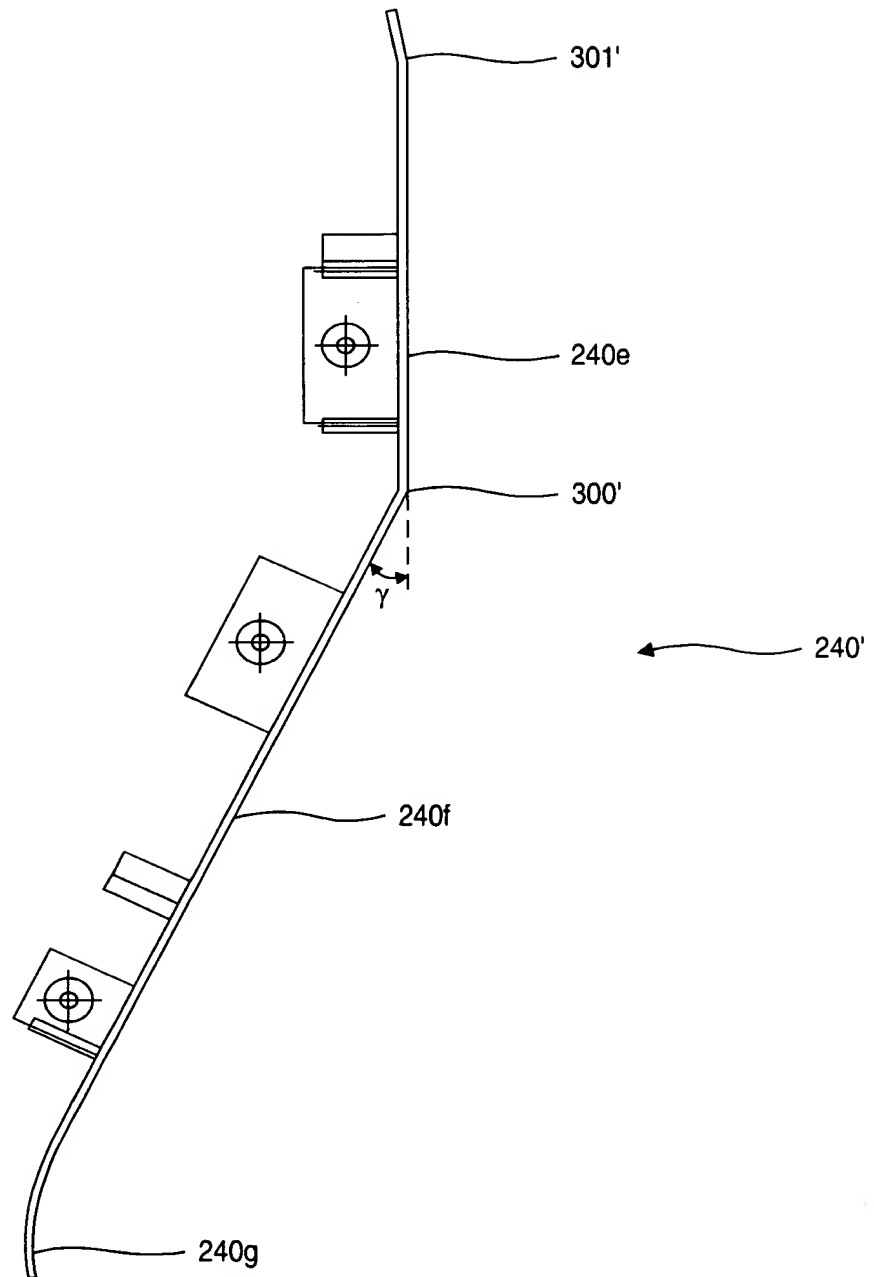
**FIG. 10a**



FIG. 10b



**FIG. 11a**

***FIG. 11b***

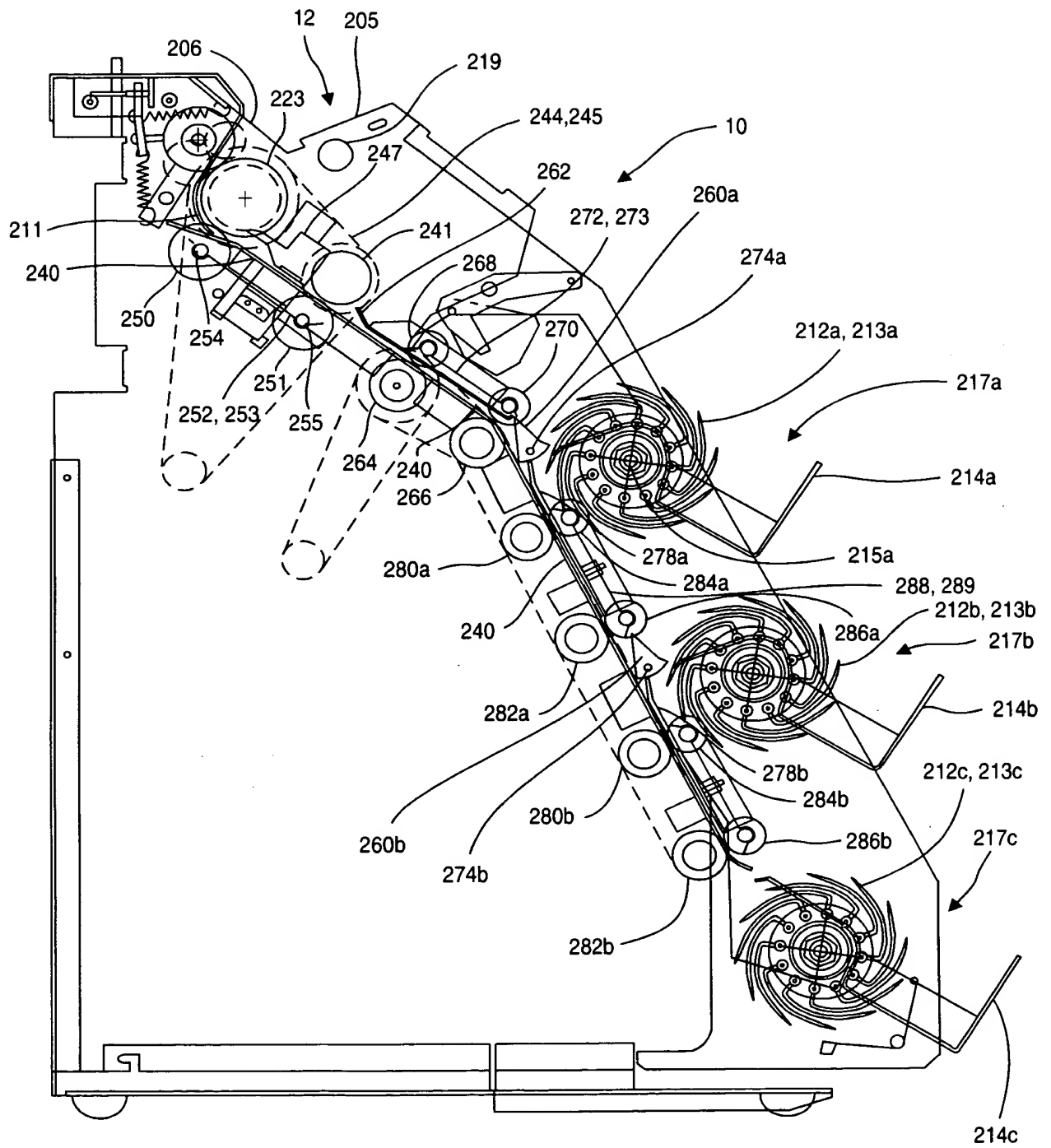


FIG. 12a

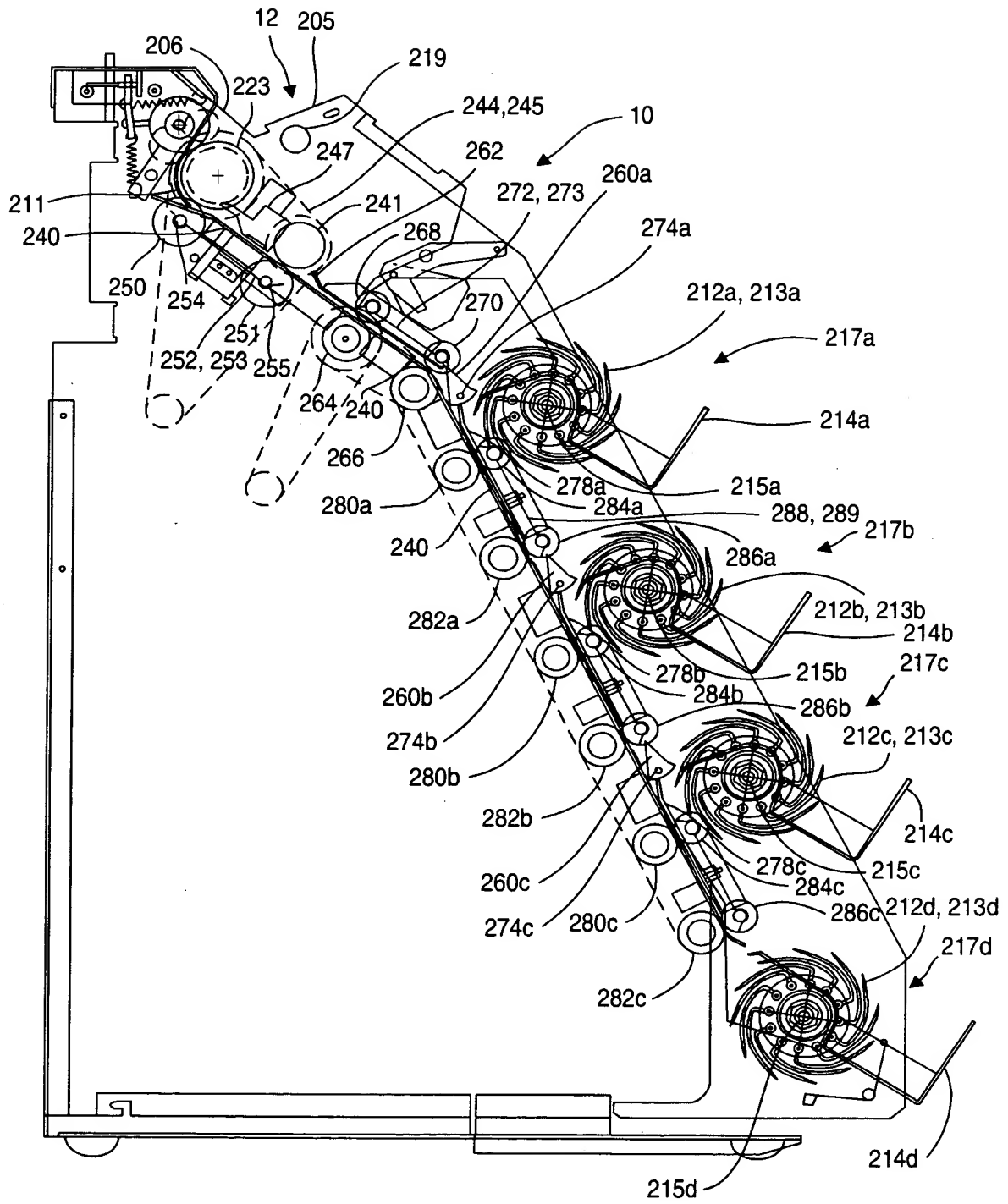


FIG. 12b

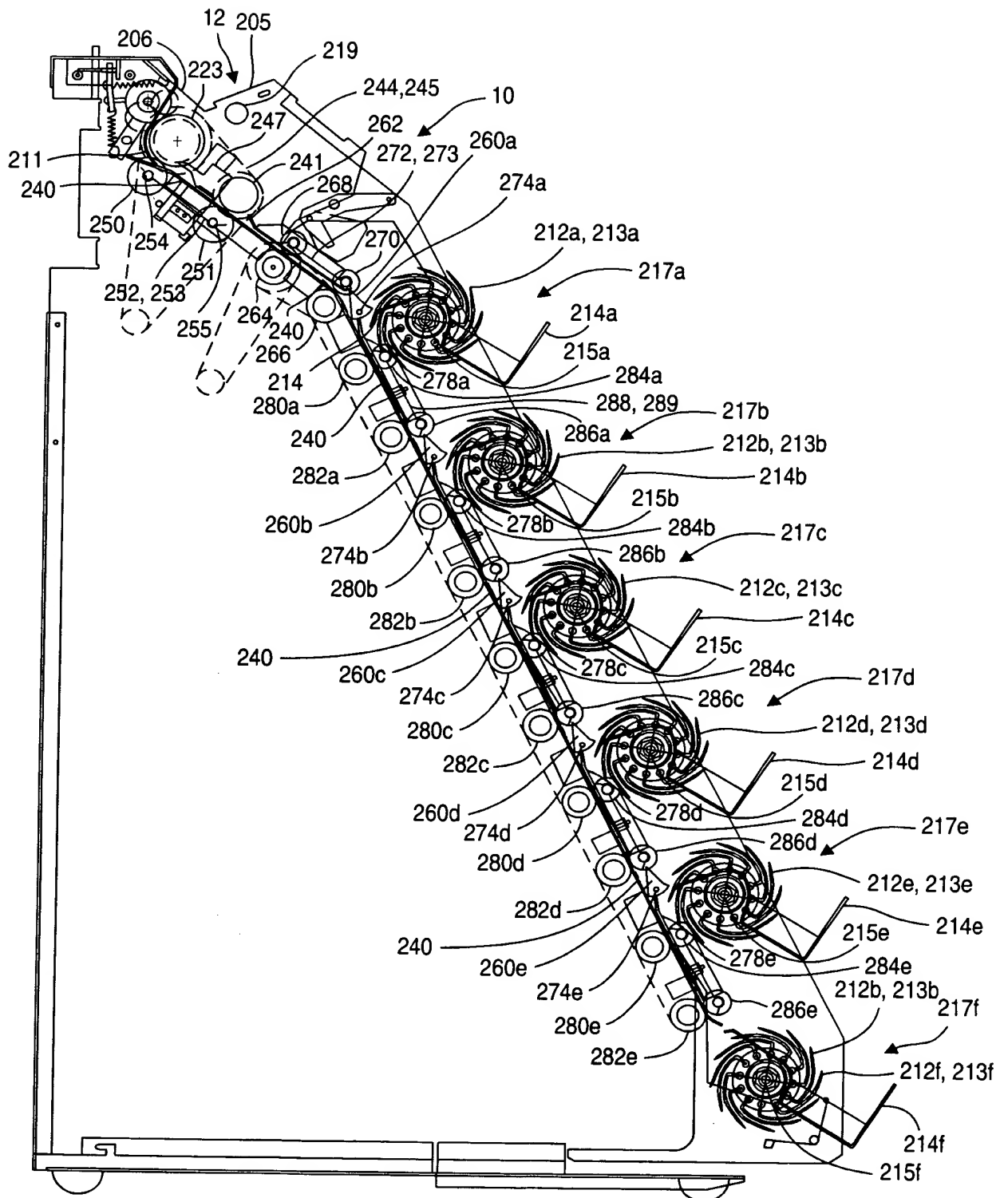
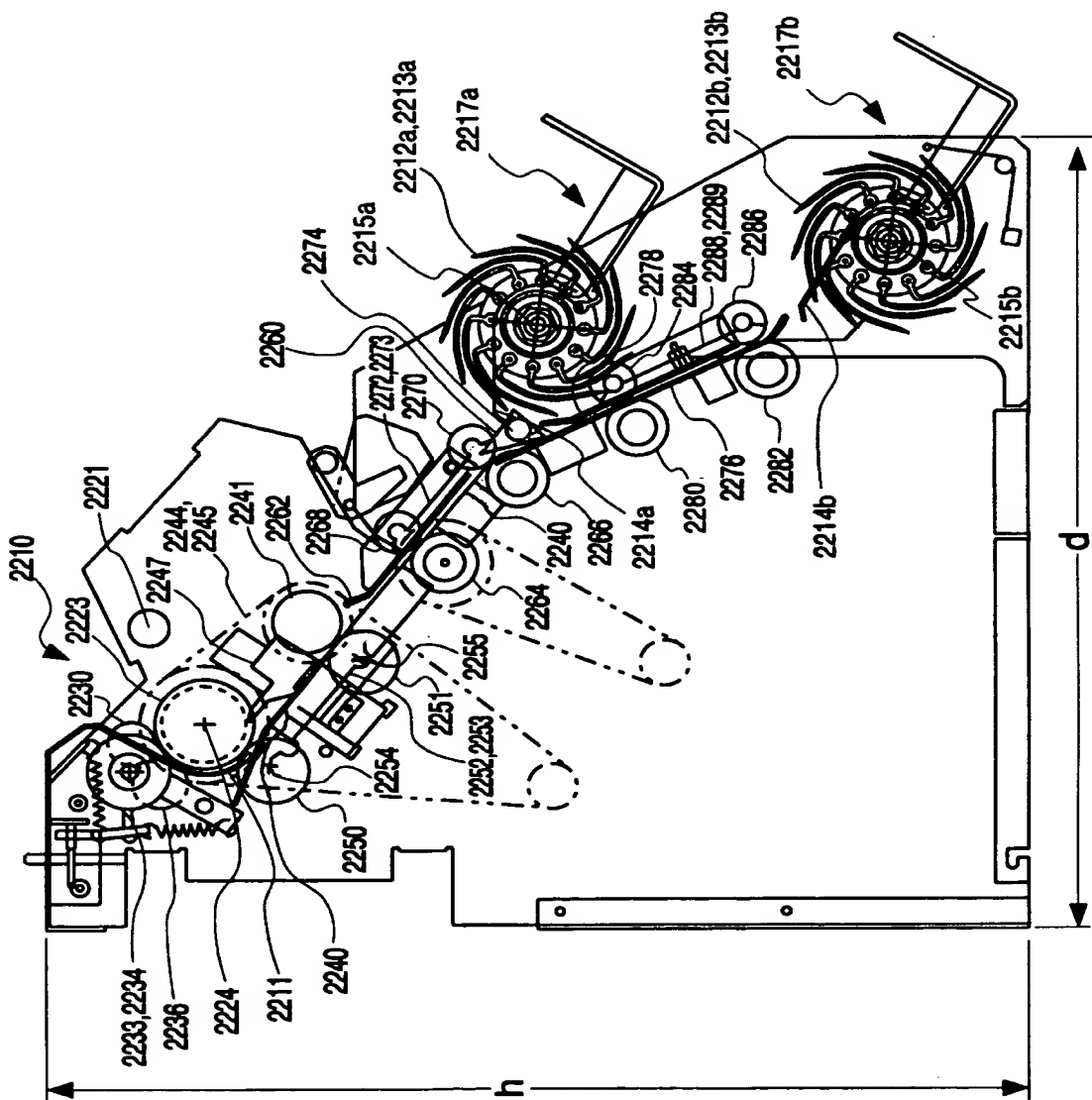


FIG. 12c



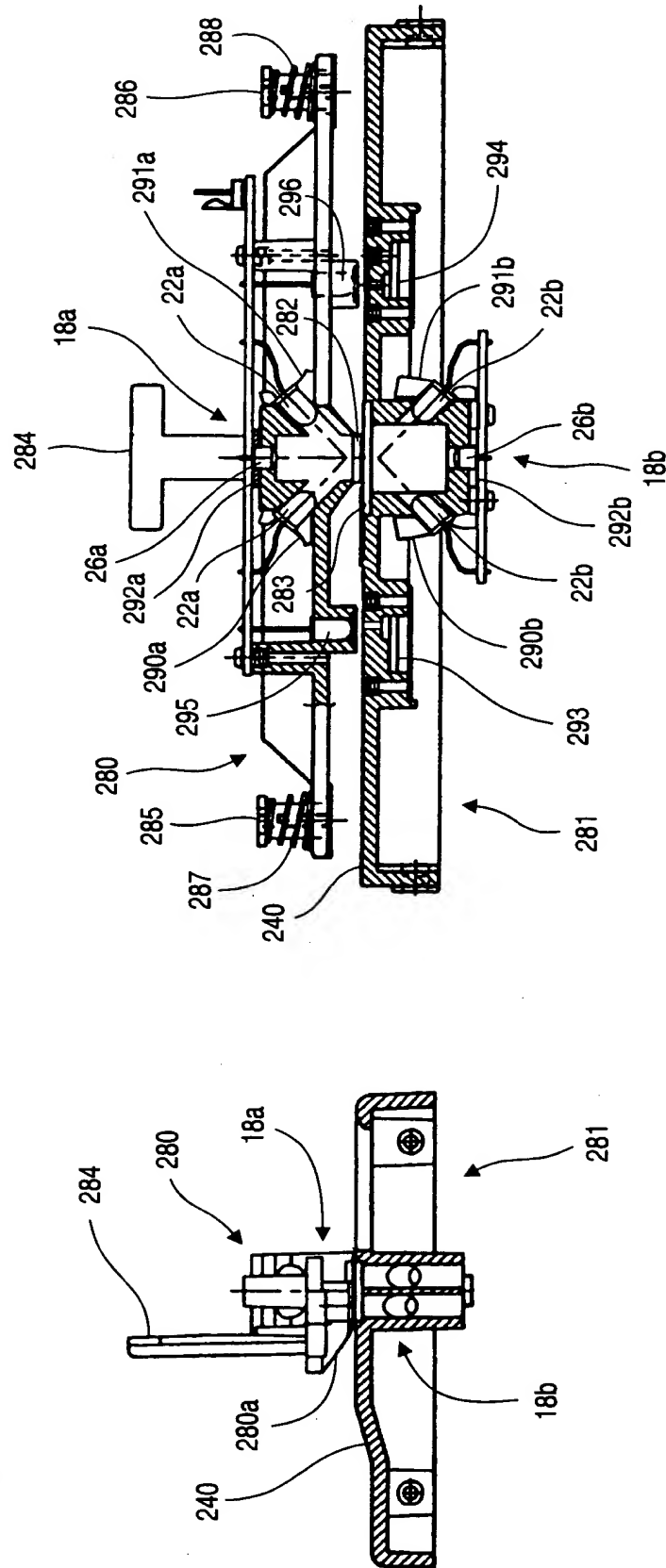
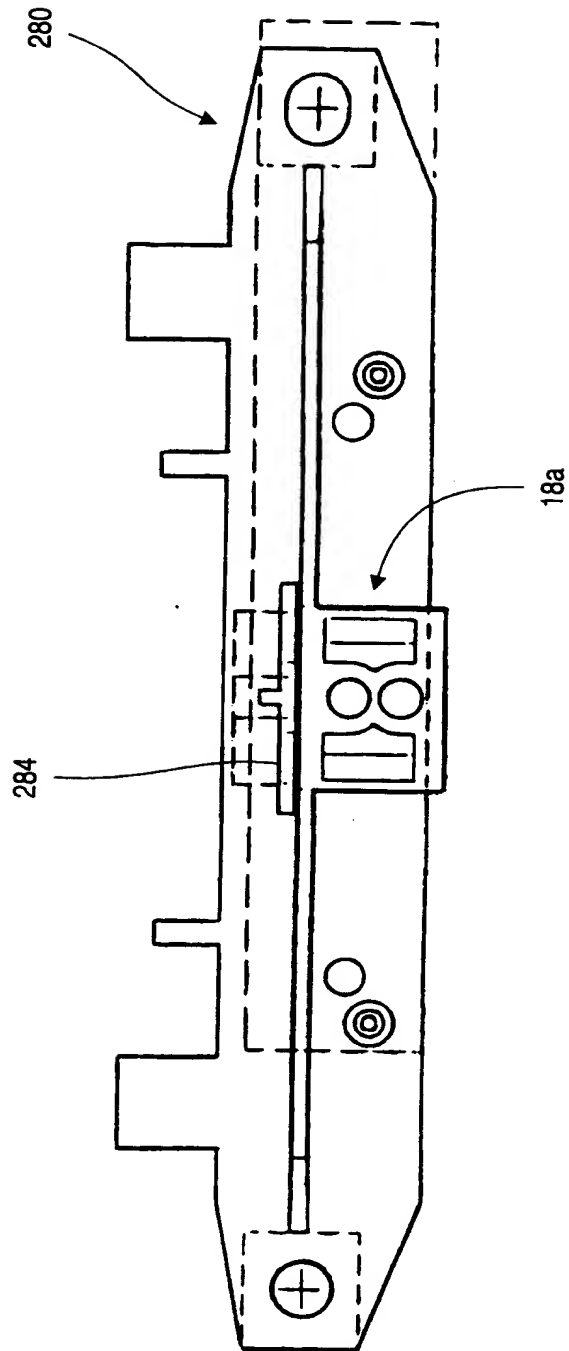


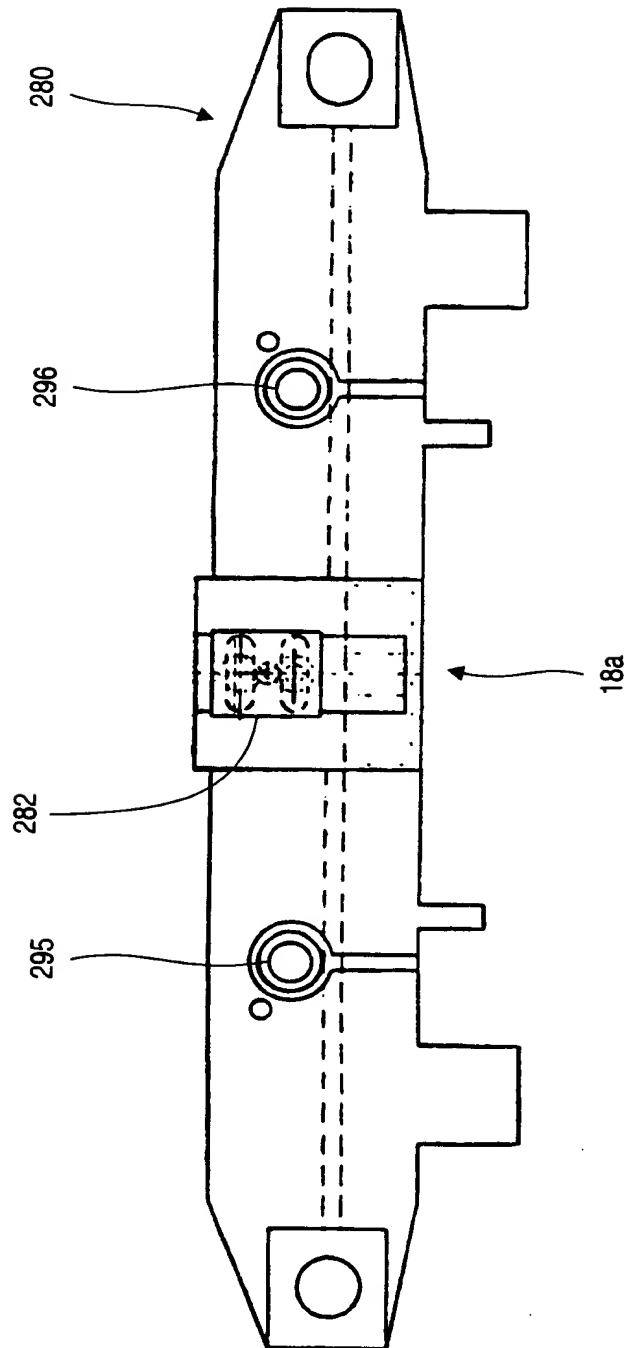
FIG. 14a

FIG. 14b

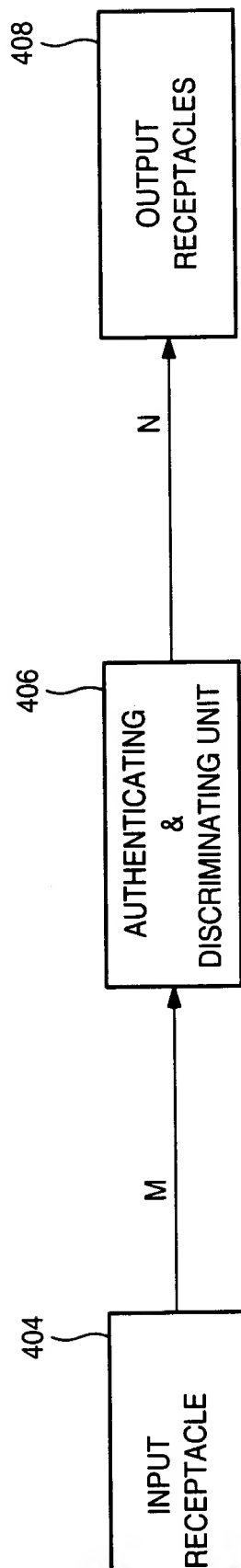




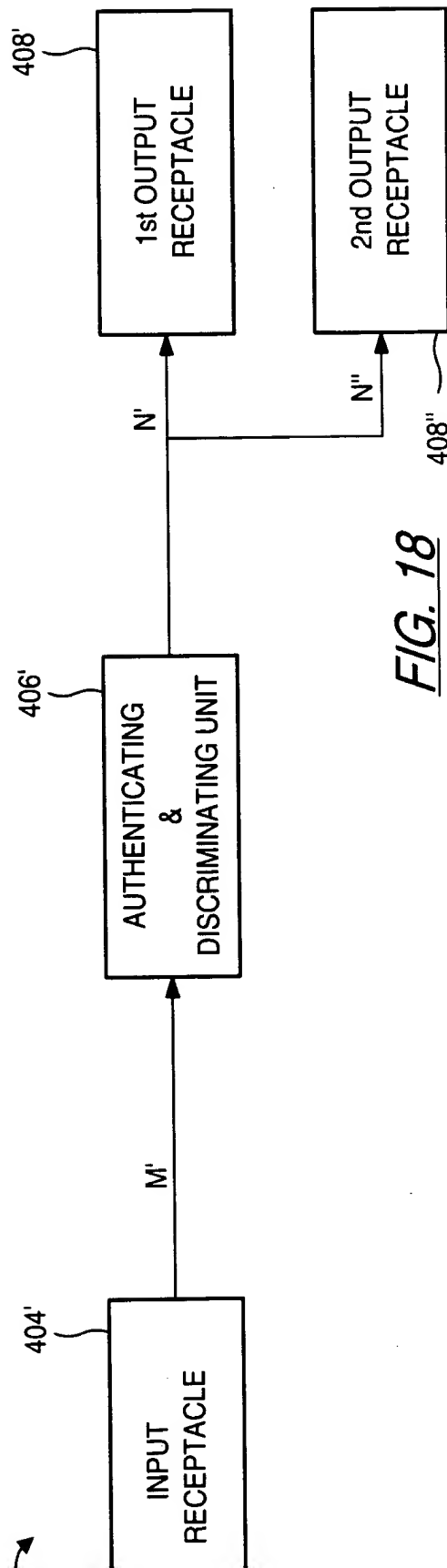
**FIG. 15**



**FIG. 16**



*FIG. 17*



*FIG. 18*

61

63

Denom

Sub Bat

Count

Mode

Batch

Limit

66

62

Clear

Day

Denom

Strap

All Strp

Set Strp

Cont

Sub Bat

End

65

64a

Mode

\$1

64b

Add

\$5

64c

Verify

\$10

64d

Unit

\$20

64e

SD

\$50

64f

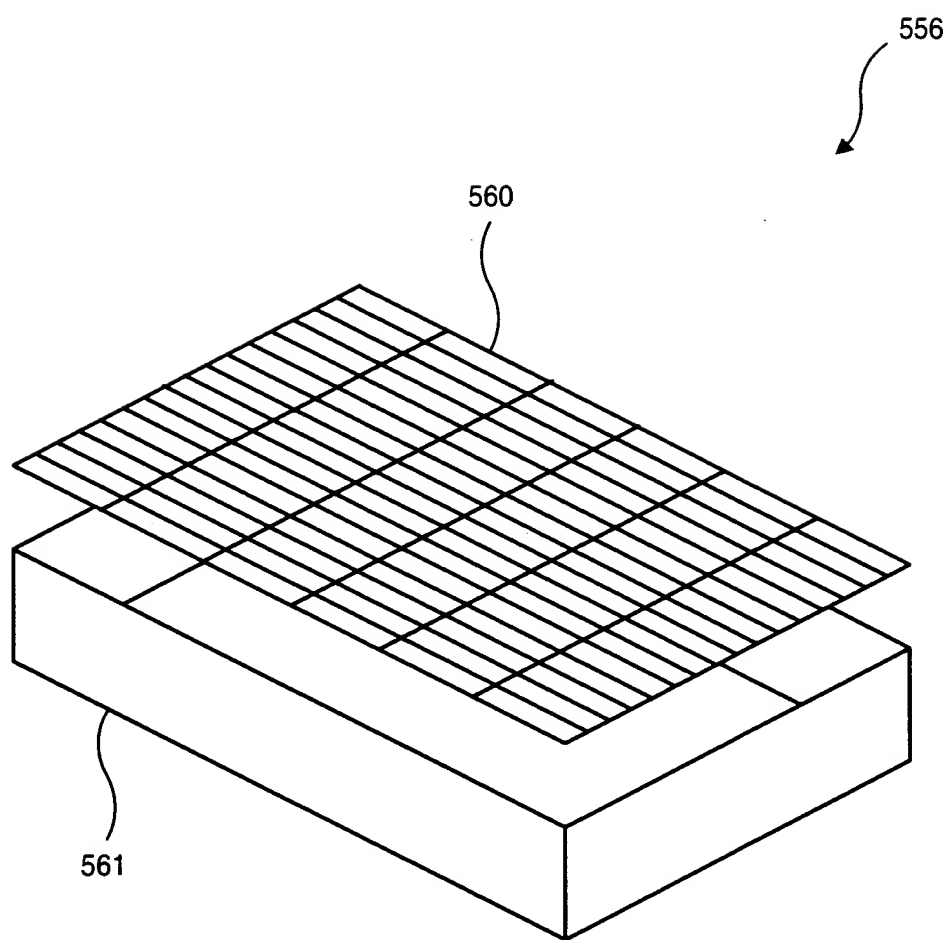
Density

\$100

64g

\$2

FIG. 19



***FIG. 20***

S-BAT: \$		50			
BAT: \$		50			
MODE:	STRANGER 1			RIGHT	FACE
POCKET 1:	\$ 1				
POCKET 2:	OFFSORT				
END	ADD	VERFY	SD	MODE	MENU

610 608 609 606 607

600 611 612 601 602 603 604 605

**FIG. 21**

700	702	701	703	710	711
*	STR1	*	STR2	*	STR FO
*	MIX1	*	MIX2	*	MIX FO
*	SORT1	*	SORT2	*	SORT3
*	SRT FO	*	COUNT	*	
					EXIT
704	709	705	707	706	708

**FIG. 22**

700 *	702 STR1	701 *	703 STR2	710 706 711 *	STR FO
*	MIX1	*	MIX2	*	MIX FO
*	SORT1	*	SORT2	*	SORT3
*	SRT FO	*	COUNT		
704 709 *	712 FACE	705 707 *	713 ORIENT		708 EXIT

*FIG. 23*

800 *	801 BATCH		804 *	805 SUSPECT	DOCUMENT
*	SUB BATCH		*	DENSITY	
*	DAY				
*	STRAP				
802 803 *		806 UNIT			807 EXIT

*FIG. 24*

		BATCH	TOTALS		810
DENOM		COUNT		VALUE	
\$ 1		57		\$ 57	
\$ 5		100		\$ 500	
\$ 10		3		\$ 30	
\$ 20		50		\$ 1000	
\$ 50		200		\$ 10000	
\$ 100		303		\$ 30300	CLEAR
TOTAL				\$ 41887	EXIT

811

*FIG. 25*

				902	901
DENOM	UNIT	LIMIT			
\$ 1	22	100			
\$ 2	28	100			
\$ 5	38	100			
\$ 10	26	50		DOWN	UP
\$ 20	36	50			
\$ 50	32	50			
\$ 100	30	50			
				CLEAR	ALL
5	10	20	25	+	UNIT
50	75	100	OFF	-	EXIT

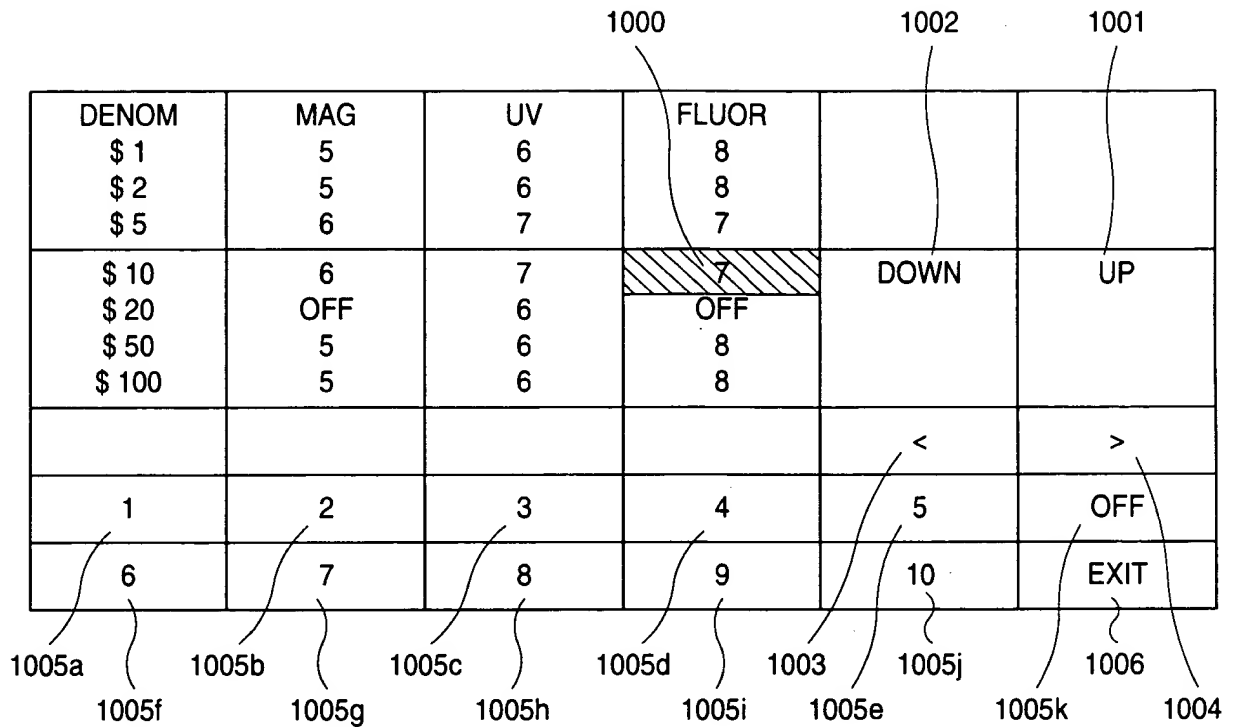
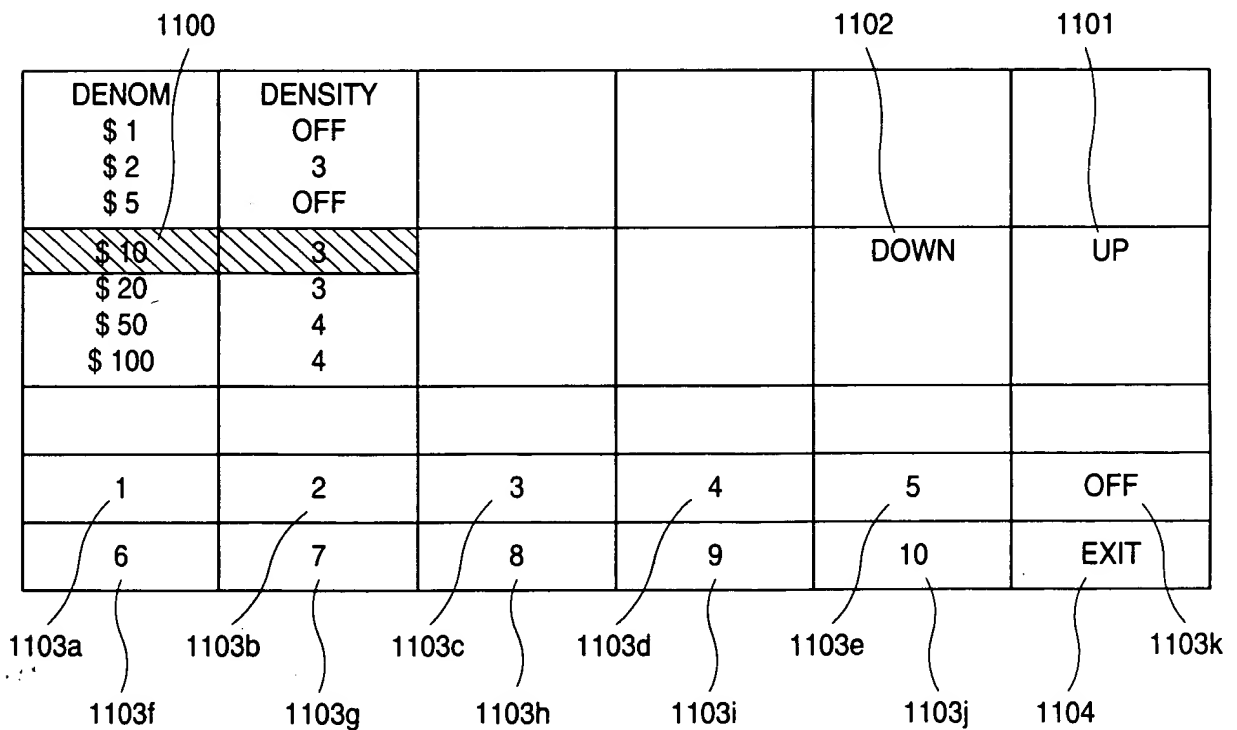
903a 903b 903c 903d 906 905 904 907 909

903e 903f 903g 910

900

*FIG. 26*



**FIG. 27****FIG. 28**

STRAP	LIMIT	POCKET	1		
REMOVE	NOTES	AND	PRESS	CONT.	
		CONT			

1200

FIG. 29

NO	CALL	PRESS	KEY:		
\$ 1	\$ 2	\$ 5	\$ 10	\$ 20	\$ 50
\$ 100					
					CONT.

1300g 1300a 1300b 1300c 1300d 1300e 1300f 1301

FIG. 30

MODE STRAP	LIMIT	: STR 1 : 100	SUB-	BATCH	\$ 525
STRAP DENOM	COUNT	: 50 : \$ 1		BATCH	\$ 1500
LABEL	ID	MEDIA	DATE	DBAL	
					EXIT
1401	1402	1403	1404	1405	1406

1407 1408 1409 1410 1411 1412

***FIG. 31***

COIN		CHECK		MISC	
					EXIT
1501		1502		1503	1504

***FIG. 32***

ENTER	VALUE	:	<div>1511</div>		
		\$0.00			
EXIT					

1510

1514

*FIG. 33*

7	8	9
4	5	6
1	2	3
CLEAR	0	ENTER

1513

1512

*FIG. 34*

MODE: \_\_\_\_\_

	C1	C2	C3
	SELECTION		OPTIONS
	TARGET 1 (POCKET 1)		
R1	DENOM. ?		OFF / 1st BILL / US / ALL \$1 / \$2 / \$5 / \$10 / \$20 / \$50 / \$100
R2	FACE ?		OFF / 1st BILL / FACE UP / FACE DOWN / US
R3	ORIENTATION ?		OFF / 1st BILL / FORWARD / REVERSE / US
R4	SERIES ?		OFF / 1st BILL / DEFINED - GROUPS / US
R5	UPDATE ?		YES / NO
	TARGET 2 (POCKET 2)		
R6	DENOM. ?		OFF / 1st BILL / US / ALL \$1 / \$2 / \$5 / \$10 / \$20 / \$50 / \$100
R7	FACE ?		OFF / 1st BILL / FACE UP / FACE DOWN / US
R8	ORIENTATION ?		OFF / 1st BILL / FORWARD / REVERSE / US
R9	SERIES ?		OFF / 1st BILL / DEFINED - GROUPS / US
R10	UPDATE ?		YES / NO
R11	STRANGER (S)		P1 / P2 / CONT - 2 / ST
R12	DENOM CHANGE (DC)		P1 / P2 / CONT - 2 / ST
R13	NO CALL (NC)		P1 / P2 / CONT - 2
R14	SUSPECT DOC. (SD)		P1 / P2 / CONT - 2
R15	IMPROPER SIZE (SZ)		P1 / P2 / CONT - 2
R16	UNFIT DOC. (UD)		P1 / P2 / CONT - 2
R17	REVERSE FACED (RF)		P1 / P2 / CONT - 2
R18	REV. ORIENTED (RO)		P1 / P2 / CONT - 2
R19	SEP. SERIES (SS)		P1 / P2 / CONT - 2 / ST
R20	STACKER FULL (SF)		STOP / SWITCH
R21	STRAP LIMIT (SL)		STOP / SWITCH / COMBINE P1 + P2
R22	CHAIN (C)		STOP - 1 / STOP - 2
R23	DOUBLE (D)		STOP - 1 / STOP - 2

*FIG. 35*

MODE: STRANGER FACING

	C1	C2	C3
		SELECTION	OPTIONS
TARGET 1 (POCKET 1)			
R1 ~	DENOM. ?	1st BILL	OFF / 1st BILL / US / ALL \$1 / \$2 / \$5 / \$10 / \$20 / \$50 / \$100
R2 ~	FACE ?	1st BILL	OFF / 1st BILL / FACE UP / FACE DOWN / US
R3 ~	ORIENTATION ?	OFF	OFF / 1st BILL / FORWARD / REVERSE / US
R4 ~	SERIES ?	OFF	OFF / 1st BILL / DEFINED - GROUPS / US
R5 ~	UPDATE ?	NO	YES / NO
TARGET 2 (POCKET 2)			
R6 ~	DENOM. ?	——	<del>OFF / 1st BILL / US / ALL</del> <del>\$1 / \$2 / \$5 / \$10 / \$20 / \$50 / \$100</del>
R7 ~	FACE ?	——	<del>OFF / 1st BILL / FACE UP / FACE DOWN / US</del>
R8 ~	ORIENTATION ?	——	<del>OFF / 1st BILL / FORWARD / REVERSE / US</del>
R9 ~	SERIES ?	——	<del>OFF / 1st BILL / DEFINED - GROUPS / US</del>
R10 ~	UPDATE ?	——	<del>YES / NO</del>
R11 ~	STRANGER (S)	P2	P1 / P2 / CONT - 2 / ST
R12 ~	DENOM CHANGE (DC)	——	<del>P1 / P2 / CONT - 2 / ST</del>
R13 ~	NO CALL (NC)	P2	P1 / P2 / CONT - 2
R14 ~	SUSPECT DOC. (SD)	P2	P1 / P2 / CONT - 2
R15 ~	IMPROPER SIZE (SZ)	P2	P1 / P2 / CONT - 2
R16 ~	UNFIT DOC. (UD)	P2	P1 / P2 / CONT - 2
R17 ~	REVERSE FACED (RF)	C2	P1 / P2 / CONT - 2
R18 ~	REV. ORIENTED (RO)	——	<del>P1 / P2 / CONT - 2</del>
R19 ~	SEP. SERIES (SS)	——	<del>P1 / P2 / CONT - 2 / ST</del>
R20 ~	STACKER FULL (SF)	STOP	STOP / SWITCH
R21 ~	STRAP LIMIT (SL)	COMBINE	STOP / SWITCH / COMBINE P1 + P2
R22 ~	CHAIN (C)	STOP - 2	STOP - 1 / STOP - 2
R23 ~	DOUBLE (D)	STOP - 2	STOP - 1 / STOP - 2

*FIG. 36*

MODE: SORT 3

	C1	C2	C3
		SELECTION	OPTIONS
	TARGET 1 (POCKET 1)		
R1	DENOM. ?	\$5	OFF / 1st BILL / US / ALL \$1 / \$2 / \$5 / \$10 / \$20 / \$50 / \$100
R2	FACE ?	OFF	OFF / 1st BILL / FACE UP / FACE DOWN / US
R3	ORIENTATION ?	OFF	OFF / 1st BILL / FORWARD / REVERSE / US
R4	SERIES ?	OFF	OFF / 1st BILL / DEFINED - GROUPS / US
R5	UPDATE ?	NO	YES / NO
	TARGET 2 (POCKET 2)		
R6	DENOM. ?	1st BILL	OFF / 1st BILL / US / ALL \$1 / \$2 / \$5 / \$10 / \$20 / \$50 / \$100
R7	FACE ?	OFF	OFF / 1st BILL / FACE UP / FACE DOWN / US
R8	ORIENTATION ?	OFF	OFF / 1st BILL / FORWARD / REVERSE / US
R9	SERIES ?	OFF	OFF / 1st BILL / DEFINED - GROUPS / US
R10	UPDATE ?	YES	YES / NO
R11	STRANGER (S)	——	P1 / P2 / CONT - 2 / ST
R12	DENOM CHANGE (DC)	P2	P1 / P2 / CONT - 2 / ST
R13	NO CALL (NC)	P2	P1 / P2 / CONT - 2
R14	SUSPECT DOC. (SD)	P2	P1 / P2 / CONT - 2
R15	IMPROPER SIZE (SZ)	P2	P1 / P2 / CONT - 2
R16	UNFIT DOC. (UD)	P2	P1 / P2 / CONT - 2
R17	REVERSE FACED (RF)	——	P1 / P2 / CONT - 2
R18	REV. ORIENTED (RO)	——	P1 / P2 / CONT - 2
R19	SEP. SERIES (SS)	——	P1 / P2 / CONT - 2 / ST
R20	STACKER FULL (SF)	STOP	STOP / SWITCH
R21	STRAP LIMIT (SL)	STOP	STOP / SWITCH / COMBINE P1 + P2
R22	CHAIN (C)	STOP - 2	STOP - 1 / STOP - 2
R23	DOUBLE (D)	STOP - 2	STOP - 1 / STOP - 2

MODE: USER - DEFINED 1

		C1	C2	C3
		SELECTION		OPTIONS
TARGET 1 (POCKET 1)				
R1	DENOM. ?	\$100	OFF / 1st BILL / ALL \$1 / \$2 / \$5 / \$10 / \$20 / \$50 / \$100	
R2	FACE ?	FACE UP	OFF / 1st BILL / FACE UP / FACE DOWN / US	
R3	ORIENTATION ?	OFF	OFF / 1st BILL / FORWARD / REVERSE / US	
R4	SERIES ?	1996 +	OFF / 1st BILL / DEFINED - GROUPS / US	
R5	UPDATE ?	NO	YES / NO	
TARGET 2 (POCKET 2)				
R6	DENOM. ?	\$100	OFF / 1st BILL / ALL \$1 / \$2 / \$5 / \$10 / \$20 / \$50 / \$100	
R7	FACE ?	FACE DOWN	OFF / 1st BILL / FACE UP / FACE DOWN / US	
R8	ORIENTATION ?	OFF	OFF / 1st BILL / FORWARD / REVERSE / US	
R9	SERIES ?	1995 -	OFF / 1st BILL / DEFINED - GROUPS / US	
R10	UPDATE ?	NO	YES / NO	
R11	STRANGER (S)	P2	P1 / P2 / CONT - 2 / ST	
R12	DENOM CHANGE (DC)	————	<del>P1 / P2 / CONT - 2 / ST</del>	
R13	NO CALL (NC)	P2	P1 / P2 / CONT - 2	
R14	SUSPECT DOC. (SD)	P2	P1 / P2 / CONT - 2	
R15	IMPROPER SIZE (SZ)	P2	P1 / P2 / CONT - 2	
R16	UNFIT DOC. (UD)	P2	P1 / P2 / CONT - 2	
R17	REVERSE FACED (RF)	P2	P1 / P2 / CONT - 2	
R18	REV. ORIENTED (RO)	————	<del>P1 / P2 / CONT - 2</del>	
R19	SEP. SERIES (SS)	P2	P1 / P2 / CONT - 2 / ST	
R20	STACKER FULL (SF)	STOP	STOP / SWITCH	
R21	STRAP LIMIT (SL)	STOP	STOP / SWITCH / COMBINE P1 + P2	
R22	CHAIN (C)	STOP - 2	STOP - 1 / STOP - 2	
R23	DOUBLE (D)	STOP - 2	STOP - 1 / STOP - 2	



MODE: USER - DEFINED 2

	C1	C2	C3
		SELECTION	OPTIONS
	TARGET 1 (POCKET 1)		
R1	DENOM. ?	ALL	OFF / 1st BILL / US / ALL \$1 / \$2 / \$5 / \$10 / \$20 / \$50 / \$100
R2	FACE ?	OFF	OFF / 1st BILL / FACE UP / FACE DOWN / US
R3	ORIENTATION ?	OFF	OFF / 1st BILL / FORWARD / REVERSE / US
R4	SERIES ?	OFF	OFF / 1st BILL / DEFINED - GROUPS / US
R5	UPDATE ?	——	YES / NO
	TARGET 2 (POCKET 2)		
R6	DENOM. ?	OFF	OFF / 1st BILL / US / ALL \$1 / \$2 / \$5 / \$10 / \$20 / \$50 / \$100
R7	FACE ?	OFF	OFF / 1st BILL / FACE UP / FACE DOWN / US
R8	ORIENTATION ?	OFF	OFF / 1st BILL / FORWARD / REVERSE / US
R9	SERIES ?	OFF	OFF / 1st BILL / DEFINED - GROUPS / US
R10	UPDATE ?	——	YES / NO
R11	STRANGER (S)	——	P1 / P2 / CONT - 2 / ST
R12	DENOM CHANGE (DC)	——	P1 / P2 / CONT - 2 / ST
R13	NO CALL (NC)	P1	P1 / P2 / CONT - 2
R14	SUSPECT DOC. (SD)	P2	P1 / P2 / CONT - 2
R15	IMPROPER SIZE (SZ)	P2	P1 / P2 / CONT - 2
R16	UNFIT DOC. (UD)	P2	P1 / P2 / CONT - 2
R17	REVERSE FACED (RF)	——	P1 / P2 / CONT - 2
R18	REV. ORIENTED (RO)	——	P1 / P2 / CONT - 2
R19	SEP. SERIES (SS)	——	P1 / P2 / CONT - 2 / ST
R20	STACKER FULL (SF)	STOP	STOP / SWITCH
R21	STRAP LIMIT (SL)	STOP	STOP / SWITCH / COMBINE P1 + P2
R22	CHAIN (C)	STOP-1	STOP - 1 / STOP - 2
R23	DOUBLE (D)	STOP-1	STOP - 1 / STOP - 2

FIG 30

MODE: USER - DEFINED 3

	C1	C2	C3
	SELECTION		OPTIONS
	TARGET 1 (POCKET 1)		
R1	DENOM. ?	OFF	OFF / 1st BILL / US / ALL \$1 / \$2 / \$5 / \$10 / \$20 / \$50 / \$100
R2	FACE ?	OFF	OFF / 1st BILL / FACE UP / FACE DOWN / US
R3	ORIENTATION ?	OFF	OFF / 1st BILL / FORWARD / REVERSE / US
R4	SERIES ?	OFF	OFF / 1st BILL / DEFINED - GROUPS / US
R5	UPDATE ?	——	YES / NO
	TARGET 2 (POCKET 2)		
R6	DENOM. ?	ALL	OFF / 1st BILL / US / ALL \$1 / \$2 / \$5 / \$10 / \$20 / \$50 / \$100
R7	FACE ?	OFF	OFF / 1st BILL / FACE UP / FACE DOWN / US
R8	ORIENTATION ?	OFF	OFF / 1st BILL / FORWARD / REVERSE / US
R9	SERIES ?	OFF	OFF / 1st BILL / DEFINED - GROUPS / US
R10	UPDATE ?	——	YES / NO
R11	STRANGER (S)	——	P1 / P2 / CONT - 2 / ST
R12	DENOM CHANGE (DC)	——	P1 / P2 / CONT - 2 / ST
R13	NO CALL (NC)	P2	P1 / P2 / CONT - 2
R14	SUSPECT DOC. (SD)	P1	P1 / P2 / CONT - 2
R15	IMPROPER SIZE (SZ)	P1	P1 / P2 / CONT - 2
R16	UNFIT DOC. (UD)	P1	P1 / P2 / CONT - 2
R17	REVERSE FACED (RF)	——	P1 / P2 / CONT - 2
R18	REV. ORIENTED (RO)	——	P1 / P2 / CONT - 2
R19	SEP. SERIES (SS)	——	P1 / P2 / CONT - 2 / ST
R20	STACKER FULL (SF)	STOP	STOP / SWITCH
R21	STRAP LIMIT (SL)	STOP	STOP / SWITCH / COMBINE P1 + P2
R22	CHAIN (C)	STOP-1	STOP - 1 / STOP - 2
R23	DOUBLE (D)	STOP-1	STOP - 1 / STOP - 2

FIG 40

2-POCKET POCKET DELIVERY / STOPPING CONDITIONS								
POCKET 1	NOTE	STR 1	STR 2	STR FO	SRT 1	SRT 2	SRT 3	SRT FO
		TARGET NOTE	TARGET NOTE	TARGET NOTE FACE / ORIENT	TARGET NOTE 1 WITH AUTOMATIC DENOMINATION CHANGE	TARGET NOTE	TARGET NOTE 1	TARGET NOTE FACE / ORIENT
	STOP CONDITION	C, SL, D, SF, J; OPTIONAL: S, NC, SS, SD	C, SL, D, SF, S, NC, J, SD; OPTIONAL: SS	C, SF, J, D, SD, NC, S; SL COMBINE POCKETS; OPTIONAL: SS	C, SF, SL, J, D, NC, SD, DC; OPTIONAL: SS	C, SF, J, D, DC; OPTIONAL: NC, SS, SD	C, SF, J, SL, D, NC, SD; OPTIONAL: SS	C, SF, J, D, SD, NC, DC; SL COMBINE POCKETS; OPTIONAL: SS
POCKET 2	NOTE	NONE	TARGET NOTE	TARGET NOTE UNFACED / NON-ORIENTED	TARGET NOTE 2 WITH AUTOMATIC DENOMINATION CHANGE	NONE	NONE	TARGET NOTE UNFACED / NON-ORIENTED
	STOP CONDITION	OPTIONAL: S, NC, SS, SD	C, SL, D, SF, S, NC, J, SD; OPTIONAL: SS	C, SF, J, D, SD, NC, S; SL COMBINE POCKETS; OPTIONAL: SS	C, SF, SL, J, D, NC, SD, DC; OPTIONAL: SS	OPTIONAL: NC, SS, SD	C, SF, SL, J, D, NC, SD, DC; OPTIONAL: SS	C, SF, J, D, SD, NC, DC; SL COMBINE POCKETS; OPTIONAL: SS

FIG. 41

2-POCKET POCKET DELIVERY / STOPPING CONDITIONS					
		MIX 1	MIX 2	MIX FO	CNT
POCKET 1	NOTE	MIXED NOTES	MIXED NOTES	FACE / ORIENT	NOTES
	STOP CONDITION	C, D, SF, J OPTIONAL: NC, SD	C, D, SF, J, NC, SD	C, SF, J, D, SD, NC	SF, J, SL, C, D, SD
	NOTE	NONE	MIXED NOTES	UNFACED / NON-ORIENTED	NOTES
POCKET 2	NOTE	OPTIONAL: NC, SD	C, D, SF, J, NC, SD	C, SF, J, D, SD, NC	SF, J, SL, C, D, SD
	STOP CONDITION				

FIG. 42